## NSLS-II Beamline Summary Table

| Beamline | Source Type | Operator | Area of Research | Major Techniques | Technical Quality Metric | Funding Source(s) | Staffing (Annually FTEs) | | | | | | | | | | | | | | | | Funding for Operation (Excluded FTE Costs, k$) | | | | | | Beamtime Allocation (%) | | | | | | | | Unique Users | | | | | | | | Journal Publications | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | BES funded (FY2016/FY2017 Projected) | | | | | | | | Other funded (FY2016/FY2017 Projected) | | | | | | | | Annually Funding (FY2017 Projected) | | FY2015 | | FY2016 | | FY2015 | | | | FY2016 | | | | FY2015 | | | | FY2016 | | | | CY2015 | | | CY2016 | | |
| | | | | | | | Scientists* | | Engineers | | Technicians | | Others | | Scientists | | Engineers | | Technicians | | Others | | BES | Others | BES | Others | BES | Others | Maintenance & Start up | User Time | | | Maintenance & Start up | User Time | | | General User | Partner User | Facility Staff | Total | General User | Partner User | Facility Staff | Total | Total | with Facility Staff as co-author | High Impact | Total | with Facility Staff as co-author | High Impact |
| | | | | | | | FY16 | FY17 projected | FY16 | FY17 projected | FY16 | FY17 projected | FY16 | FY17 projected | FY16 | FY17 projected | FY16 | FY17 projected | FY16 | FY17 projected | FY16 | FY17 projected | | | | | | | | General User | Partner User | Facility Staff | | General User | Partner User | Facility Staff | | | | | | | | | | | | | | | |
| 2-ID | SIX | ID | NSLS-II | P,M | Resonant Inelastic X-ray Scattering | 1 | BES | | 1.23 | 0.13 | 1.04 | 0.1 | 0.57 | | 0.04 | | | | | | | | 233 | | | | 79.6 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3-ID | HXN | ID | NSLS-II | M,G,P,A | Scanning X-ray Microscopy (fluorescence, differential phase contrast, diffraction, ptychography | 1 | BES | 2.98 | 3.2 | 2.02 | 1.76 | 1.74 | 0.63 | 0.49 | 0.605 | 1* | 2* | | | | | | 269 | | 416 | | 507 | | 94.5 | 5.5 | 0 | 0 | 45.8 | 49.6 | 0 | 4.6 | 3 | 0 | 8 | 11 | 53 | 0 | 10 | 63 | 1 | 1 | 0 | 6 | 5 | 1 |
| 4-ID | ISR | ID | NSLS-II | M | Real-time GISAXS and GID, RXS, CTR, XMCD | 1 | BES | 0.2 | 2.53 | 0.03 | 1.24 | 0.02 | 0.77 | 0.07 | 0.09 | | | | | | | | 204 | | | | 14.7 | | | | | | | | | | | | | | 0 | 0 | 5 | 5 | | | | | | |
| 4-BM | XFM | BM | NSLS-II | G | XRF imaging and tomography, XAFS, XRD | 1 | BES | | 0.1 | | | | 0.1 | | | | | | | | | | 62 | | | | 1.2 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5-ID | SRX | ID | NSLS-II | G,M | XRF imaging, XANES, tomography | 1 | BES | 3.17 | 2.85 | 0.98 | 1.32 | 1.04 | 0.53 | 0.07 | 0.09 | | | 0.35 | 0.35 | 0.15 | 0.15 | | | 258 | | 225 | | 258 | | 79.9 | 20.1 | 0 | 0 | 46.8 | 50.5 | 0 | 2.7 | 14 | 0 | 6 | 20 | 105 | 0 | 7 | 112 | 0 | 0 | 0 | 4 | 2 | 1 |
| 6-BM | BMM | BM | NIST | M | XAFS, diffraction and DAFS | | NIST | | | | 0.06 | | | | 0.05 | | | | | | | | 0.9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7-ID-1 | SST-1 | ID | NIST | M | NEXAFS, NEXAFS Imaging, XPS, XPS Imaging | | NIST | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7-ID-2 | SST-2 | ID | NIST | M | NEXAFS, NEXAFS Imaging, XPS, HAXPES, XPS Imaging | | NIST | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7-BM | QAS | BM | NSLS-II | C,M | Quick and slow XAS and XRD | 1 | BES | | 0.1 | | | | 0.1 | | | | | | | | | | 11 | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8-ID | ISS | ID | NSLS-II | M,C | XAS, XANES, XES, XELS | 1 | BES | 0.24 | 1.63 | 0.53 | 1.55 | 0.05 | 0.93 | 0.07 | 0.09 | | | | | | | | 296 | | | | 18.4 | | | | | | 91 | 9 | 0 | 0 | | | | | 11 | 0 | 4 | 15 | | | | 1 | 0 | 1 |
| 8-BM | TES | BM | NSLS-II | C,G | X-ray absorption spectroscopy, X-ray fluorescence imaging | 1 | BES | | 0.71 | | 1.63 | | 0.75 | | 0.09 | | | | | | | | 145 | | | | 2 | | | | | | | | | | | | | | 1 | 0 | 2 | 3 | | | | 0 | 0 | 0 |
| 10-ID | IXS | ID | NSLS-II | P | Ultrahigh resolution inelastic x-ray scattering | 1 | BES | 3.38 | 3.19 | 1.43 | 1.04 | 0.99 | 0.5 | 0.07 | 0.61 | 1* | 1* | | | | | | 207 | | 416 | | 198 | | 100 | 0 | 0 | 0 | 56.4 | 40.2 | 0 | 3.4 | 0 | 0 | 7 | 7 | 15 | 0 | 7 | 22 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11-ID | CHX | ID | NSLS-II | M,P | XPCS, SAXS, GI-SAXS, WAXS | 1 | BES | 2.28 | 2.18 | 2.27 | 2.05 | 2.11 | 0.61 | 0.07 | 0.09 | | | | | | | | 158 | | 714 | | 431 | | 95.5 | 4.5 | 0 | 0 | 40.3 | 55.6 | 0 | 4.1 | 8 | 0 | 5 | 13 | 32 | 0 | 5 | 37 | 0 | 0 | 0 | 2 | 1 | 0 |
| 11-BM | CMS | BM | NSLS-II | M | SAXS/WAXS, GISAXS/GIWAXS | 1 | BES | | 1.62 | | 1.07 | | 0.71 | | 0.09 | | | | | | | | 166 | | | | 23.8 | | | | | | | | | | | | | | 0 | 1 | 4 | 5 | | | | | | |
| 12-ID | SMI | ID | NSLS-II | M,P | X-ray Scattering: GISAXS; GIWAXS, Liquid Reflectivity | 1 | BES | | 2.31 | | 1.04 | | 0.71 | 0.07 | 0.08 | | | | | | | | 238 | | | | 23.6 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 16-ID | LIX | ID | NSLS-II | L | Solution scattering; simultaneous SAXS/WAXS; GI-SAXS; microdiffraction | 1 | NIH/BER | | | | 0.35 | | | | 0.33 | 2.05 | 2 | 2.84 | 2.95 | 0.55 | 1.5 | 0.04 | 0.13 | 5 | | | | | | | | | | 97.9 | 1.3 | 0 | 0.8 | | | | | 6 | 0 | 6 | 12 | | | | 0 | 0 | 0 |
| 17-ID-1 | AMX | ID | NSLS-II | L | Macromolecular Crystallography | 1 | NIH/BER | | | | 0.35 | | | | 0.33 | 2.05 | 2 | 2.84 | 2.95 | 0.55 | 1.5 | 0.04 | 0.13 | 5 | | | | | | | | | | 99.4 | 0.6 | 0 | 0 | | | | | 3 | 0 | 11 | 14 | | | | 0 | 0 | 0 |
| 17-ID-2 | FMX | ID | NSLS-II | L | Macromolecular Crystallography, micro-diffraction | 1 | NIH/BER | | | | 0.35 | | | | 0.33 | 2.05 | 2 | 2.84 | 2.95 | 0.55 | 1.5 | 0.04 | 0.13 | 5 | | | | | | | | | | 99.4 | 0.6 | 0 | 0 | | | | | 12 | 0 | 11 | 23 | | | | 0 | 0 | 0 |
| 17-BM | XFP | BM | CWRU | L | X-ray Footprinting | | CWRU | | | | 0.35 | | | | 0.33 | | | | | | | | | 5 | | | | | | | | | | | | | | | | | | 3 | 0 | 8 | 11 | | | | 0 | 0 | 0 |
| 18-ID | FXI | ID | NSLS-II | M,P | Transmission X-ray Microscopy | 1 | BES | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 19-ID | NYX | ID | NYSBC | L | Macromolecular Crystallography | | NYSBC | | | | 0.17 | | | | 0.16 | | | | | | | | | 2.5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 21-ID | ESM | ID | NSLS-II | P | ARPES, SP-ARPES, m-ARPES (XPEEM) | 1 | BES | 0.33 | 2.38 | 0.13 | 1.47 | 0.05 | 0.93 | 0.07 | 0.09 | | | | | | | | 200 | | | | 8 | | | | | | | | | | | | | | 0 | 0 | 4 | 4 | | | | | | |
| 22-IR | FIS/MET | BM | NSLS-II | P | Spectroscopy, ellipsometery | 1 | BES | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 23-ID-1 | CSX-1 | ID | NSLS-II | M,P | XPCS , Scanning Microscopy, CDI | 1 | BES | 1.74 | 2.9 | 1.93 | 1.89 | 0.66 | 0.51 | 0.21 | 0.09 | | | | | | | | 263 | | 412 | | 364 | | 84.9 | 15.1 | 0 | 0 | 39 | 49.1 | 7.4 | 4.5 | 11 | 0 | 5 | 16 | 32 | 9 | 5 | 46 | 1 | 1 | 0 | 2 | 2 | 1 |
| 23-ID-2 | CSX-2 | ID | NSLS-II | P,C,M | XAS, XPS, ambient pressure XPS | 1 | BES | 1.27 | 2 | 1.65 | 1.82 | 0.6 | 0.45 | 0.14 | 0.09 | 0.35** | 0.5+0.35** | | | | | | 201 | | 340 | | 277 | | 100 | 0 | 0 | 0 | 46.7 | 33.6 | 15.6 | 4.1 | 0 | 1 | 6 | 7 | 40 | 8 | 7 | 55 | 0 | 0 | 0 | 2 | 2 | 0 |
| 28-ID-1 | PDF | ID | NSLS-II | A,C,G,M,P | Time resolved Pair Distribution Function a-lysis (PDF) under varies sample environments; Medium/Wide Angle X-ray Scattering (MAXS-WAXS); Small Angle X-ray Scattering (SAXS) | 1 | BES | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 28-ID-2 | XPD | ID | NSLS-II | A,M,C,G | high flux or high resolution X-ray Powder Diffraction (XPD); Pair Distribution Function a-lysis (PDF); Tomography and diffraction imaging; Modulation Enhanced XPD | 1 | BES | 3.1 | 1.79 | 1.38 | 1.57 | 0.97 | 0.82 | 0.07 | 0.09 | | | 0.15 | 0.15 | | | | | 193 | | 382 | | 190 | | 79.7 | 17 | 3.3 | 0 | 42.3 | 51.7 | 3.8 | 2.2 | 33 | 0 | 4 | 37 | 94 | 11 | 4 | 109 | 5 | 5 | 0 | 21 | 9 | 1 |

**Source Type:**
Bending Magnet (BM) or Insertion Device (ID)

**Area of Research:**
A: Applied Sciences
C: Chemical Sciences
G: Geosciences and Environmental Sciences
L: Life Sciences
M: Materials Sciences
P: Physical Sciences

**Notes:**
Partner contributions omitted if partner user agreement is being revised
Scientists*
Scientists*: LDRD funded unless noted
Scientists**: 0.35 FTE from CFN

## Additional Beamline Summary Data for 2017 (as of May 1, 2017)

| Port | Beamline | Beam Time Allocation (%) | | | | Unique Users | | | | Publications* | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | FY2017 | | | | FY2017 | | | | CY2017 | | |
| | | | User Time | | | | | | | | | |
| | | Maitenence & Start up | General User | Partner User | Facility Staff | General User | Partner User | Facility Staff | Total | Total | with Facility Staff as co-author | High Impact |
| 2-ID | SIX | 100.0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 9 | 9 | | | |
| 3-ID | HXN | 28.0 | 67.0 | 0.0 | 5.0 | 48 | 0 | 8 | 56 | 1 | 0 | 0 |
| 4-ID | ISR | 83.0 | 15.0 | 0.0 | 2.0 | 8 | 0 | 2 | 10 | | | |
| 4-BM | XFM | | | | | | | | | | | |
| 5-ID | SRX | 36.0 | 59.0 | 0.0 | 5.0 | 64 | 0 | 7 | 71 | 1 | 0 | 0 |
| 6-BM | BMM | | | | | | | | | | | |
| 7-ID-1 | SST-1 | | | | | | | | | | | |
| 7-ID-2 | SST-2 | | | | | | | | | | | |
| 7-BM | QAS | | | | | | | | | | | |
| 8-ID | ISS | 54.0 | 46.0 | 0.0 | 0.0 | 49 | 0 | 3 | 52 | 0 | 0 | 0 |
| 8-BM | TES | 81.0 | 17.0 | 0.0 | 2.0 | 18 | 0 | 4 | 22 | 1 | 0 | 0 |
| 10-ID | IXS | 33.0 | 60.0 | 0.0 | 7.0 | 9 | 0 | 6 | 15 | 0 | 0 | 0 |
| 11-ID | CHX | 40.3 | 55.6 | 0.0 | 4.1 | 36 | 0 | 5 | 41 | 0 | 0 | 0 |
| 11-BM | CMS | 65.0 | 29.0 | 4.0 | 2.0 | 47 | 0 | 4 | 51 | 0 | 0 | 0 |
| 12-ID | SMI | 60.0 | 36.0 | 0.0 | 4.0 | 6 | 0 | 5 | 11 | 0 | 0 | 0 |
| 16-ID | LIX | 63.0 | 36.0 | 0.0 | 1.0 | 49 | 0 | 3 | 52 | 0 | 0 | 0 |
| 17-ID-1 | AMX | 77.0 | 21.0 | 0.0 | 2.0 | 2 | 0 | 0 | 2 | 0 | 0 | 0 |
| 17-ID-2 | FMX | 80.0 | 18.0 | 0.0 | 2.0 | 32 | 1 | 17 | 50 | 0 | 0 | 0 |
| 17-BM | XFP | 65.0 | 29.0 | 3.0 | 3.0 | 16 | 5 | 0 | 21 | 0 | 0 | 0 |
| 18-ID | FXI | | | | | | | | | | | |
| 19-ID | NYX | | | | | | | | | | | |
| 21-ID | ESM | 90.0 | 9.0 | 0.0 | 1.0 | 0 | 2 | 5 | 7 | | | |
| 22-IR | FIS/MET | 0.0 | 50.0 | 40.0 | 10.0 | 9 | 1 | 0 | 10 | 3 | 0 | 2 |
| 23-ID-1 | CSX-1 | 22.0 | 66.0 | 7.0 | 5.0 | 23 | 7 | 7 | 37 | 0 | 0 | 0 |
| 23-ID-2 | CSX-2 | 27.0 | 50.0 | 16.0 | 7.0 | 36 | 12 | 6 | 54 | 0 | 0 | 0 |
| 28-ID-1 | PDF | | | | | | | | | | | |
| 28-ID-2 | XPD | 32.0 | 56.0 | 8.0 | 4.0 | 90 | 3 | 6 | 99 | 4 | 2 | 1 |

*all publications used NSLS-II photons

## Complete Beamline Publication Data*

| Port | Beamline | CY2015 | | | | CY2016 | | | | CY2017 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Total | Refereed | high profile | High Impact | Total | Refereed | high profile | High Impact | Total | Refereed | high profile | High Impact |
| | | | | | | | | | | | | | |
| 2-ID | SIX | | | | | | | | | | | | |
| 3-ID | HXN | 1 (1) | 0 (0) | 0 (0) | 0 (0) | 6 (5) | 6 (5) | 0 (0) | 1 (1) | 1 (0) | 1 (0) | 0 (0) | 0 (0) |
| 4-ID | ISR | | | | | | | | | | | | |
| 4-BM | XFM | | | | | | | | | | | | |
| 5-ID | SRX | 0 (0) | 0 (0) | 0 (0) | 0 (0) | 4 (2) | 2 (2) | 0 (0) | 1 (1) | 1 (0) | 1 (0) | 0 (0) | 0 (0) |
| 6-BM | BMM | | | | | | | | | | | | |
| 7-ID-1 | SST-1 | | | | | | | | | | | | |
| 7-ID-2 | SST-2 | | | | | | | | | | | | |
| 7-BM | QAS | | | | | | | | | | | | |
| 8-ID | ISS | | | | | 1 (0) | 1 (0) | 0 (0) | 1 (0) | 0 (0) | 0 (0) | 0 (0) | 0 (0) |
| 8-BM | TES | | | | | 0 (0) | 0 (0) | 0 (0) | 0 (0) | 1 (0) | 0 (0) | 0 (0) | 0 (0) |
| 10-ID | IXS | 0 (0) | 0 (0) | 0 (0) | 0 (0) | 0 (0) | 0 (0) | 0 (0) | 0 (0) | 0 (0) | 0 (0) | 0 (0) | 0 (0) |
| 11-ID | CHX | 0 (0) | 0 (0) | 0 (0) | 0 (0) | 2 (1) | 1 (1) | 0 (0) | 0 (0) | 0 (0) | 0 (0) | 0 (0) | 0 (0) |
| 11-BM | CMS | | | | | | | | | 0 (0) | 0 (0) | 0 (0) | 0 (0) |
| 12-ID | SMI | | | | | | | | | | | | |
| 16-ID | LIX | | | | | 0 (0) | 0 (0) | 0 (0) | 0 (0) | 0 (0) | 0 (0) | 0 (0) | 0 (0) |
| 17-ID-1 | AMX | | | | | 0 (0) | 0 (0) | 0 (0) | 0 (0) | 0 (0) | 0 (0) | 0 (0) | 0 (0) |
| 17-ID-2 | FMX | | | | | 0 (0) | 0 (0) | 0 (0) | 0 (0) | 0 (0) | 0 (0) | 0 (0) | 0 (0) |
| 17-BM | XFP | | | | | 0 (0) | 0 (0) | 0 (0) | 0 (0) | 0 (0) | 0 (0) | 0 (0) | 0 (0) |
| 18-ID | FXI | | | | | | | | | | | | |
| 19-ID | NYX | | | | | | | | | | | | |
| 21-ID | ESM | | | | | | | | | | | | |
| 22-IR | FIS/MET | | | | | | | | | 3 (0) | 3 (0) | 1 (0) | 2 (0) |
| 23-ID-1 | CSX-1 | 1 (1) | 1 (1) | 0 (0) | 0 (0) | 2 (2) | 1 (1) | 1 (1) | 1 (1) | 0 (0) | 0 (0) | 0 (0) | 0 (0) |
| 23-ID-2 | CSX-2 | 0 (0) | 0 (0) | 0 (0) | 0 (0) | 2 (2) | 2 (2) | 0 (0) | 0 (0) | 0 (0) | 0 (0) | 0 (0) | 0 (0) |
| 28-ID-1 | PDF | | | | | | | | | | | | |
| 28-ID-2 | XPD | 5 (5) | 3 (3) | 0 (0) | 0 (0) | 21 (9) | 18 (6) | 0 (0) | 1 (1) | 4 (2) | 3 (2) | 0 (0) | 1 (1) |

*all publications used NSLS-II photons; numbers in parentheses represent publications with NSLS-II staff as co-authors