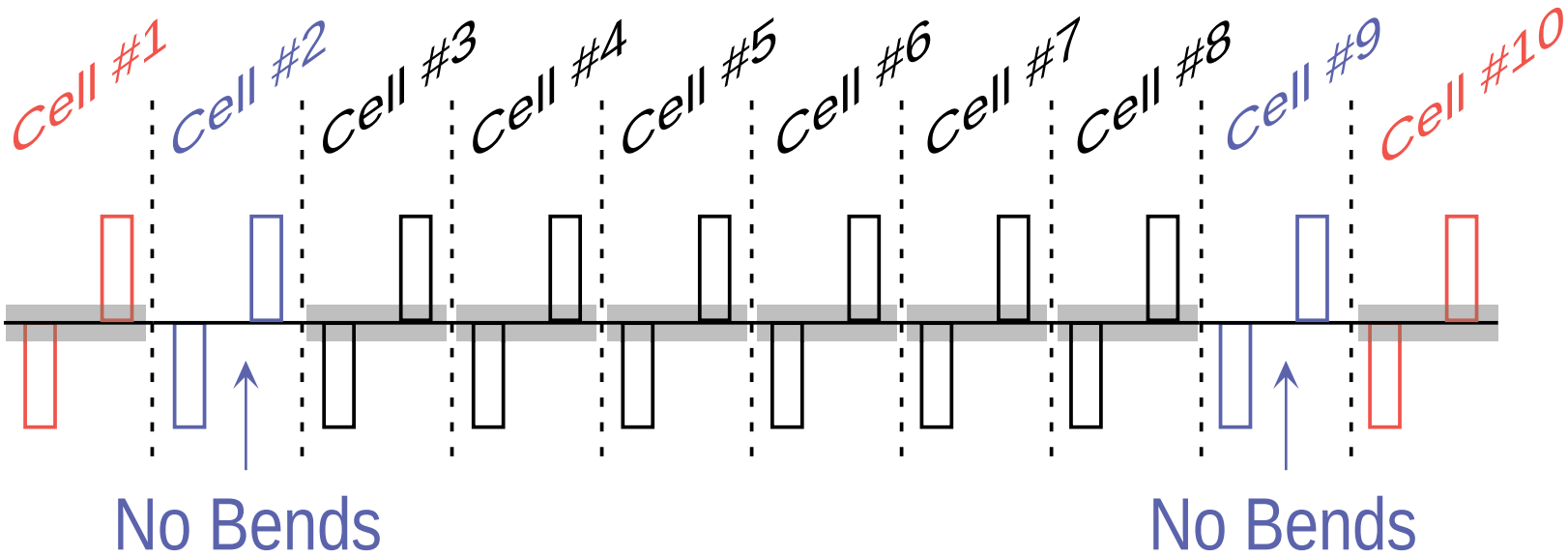
Arc Lattice Dispersion Suppression Scheme

- With 60° phase advance, the central six cells make up an achromat.
- Peak dispersion is reduced via two additional cells at each arc end where one of the cells has zero dipole bending.



Note that because of its lack of bending the focusing is different in the no bend cells and this leads to a small mismatch. This can be fixed by adjusting its length and quadrupole strength to match the other cells, the approach used here, or if the cell length is kept constant, by adjusting the skew quadrupole strengths in both of the outer cells.