On Increasing the HERA Collider e-p Interaction Region Luminosity, W. Bartel, R. Brinkmann, R. Kose, B. Parker , F. Willeke, DESY and D. Pitzl, ETH Zuerich - Since the initial meeting of the "Future Physics at HERA Workshop" in September 1995 a working group has been considering ways to significantly increase the specific luminosity (L_S) at the HERA e-p interaction points (IP) beyond current $L_S=5\times10^{29}\text{cm}^{-2}\text{s}^{-1}\text{mA}^{-2}$. The HERA 30/1 proton/electron magnetic rigidity ratio, complicates simultaneous p/e focusing and presents a significant design challenge. Also since synchrotron photons with energies 100keV to a few MeV are difficult to shield, being in most material's absorption minimum, the critical energy of photons hitting a detector should be <100 keV at a flux <10^8 photons/s. Finally the present, more than 60%, e-polarization will be needed for Electroweak physics. Some options explored are: locating superconducting quadrupoles closer to the IP; putting permanent magnet quadrupoles and/or dipoles, to facilitate beam separation and IP focusing, inside the detector; adding a beam crossing angle and using novel magnetic septum quadrupole magnets. It seems possible to increase L_S more than a factor of 3 without exceeding reasonable tune-shift and chromaticity limits. Some preliminary results are presented in this paper.