

An Update on the DIAMOND Light Source Project, J.A. CLARKE, H.L. OWEN, M.W. POOLE, S.L. SMITH, V.P. SULLER, CLRC Daresbury Laboratory - A review of the main design features of the proposed 3 GeV DIAMOND Light Source is underway as a precursor to the full design study that would lead to a decision on capital approval. Several possible alterations to the lattice layout are under consideration, in particular an increase in symmetry from the previous 2-fold racetrack geometry in order to improve the non-linear behaviour and to give greater optics flexibility. One requirement of the change is to ensure that only two of the long straights need be allocated for RF and injection systems, leaving the remainder for a wide variety of insertion devices. Various configurations are considered and the principal parameters of the newly optimised lattice are presented together with the considerations leading to their selection.