

Lumi projection from LMC_56 proposal (Steve)

Advantages of 5m:

- ❑ Quick increase in bunch charge
- ❑ Reduced risk for IRs => speed up beam intensity increase to ~ 1 M
- ❑ Crossing angle easy (more space, less requirement)
 - 60 urad half angle ?
 - Also good for 3m ?
- ❑ Comment: we have now $>2.6 \times 10^{11}$ p/beam with 13 bunches
=> when nominal bunches ready, could go quickly over the 2×10^{11} p/bch step to the 4×10^{11} p/bch step

