

Boulby Programme
Boulby Facility
NaIAD Status
ZEPLIN I Status
ZEPLIN III Status
ZEPLIN MAX Future

ZEPLIN I SI limit

Preliminary. Paper in preparation

- Based on lab neutron discrimination
 - **To be re-done underground**
- Nuclear physics
 - **Quenching (0.2@8keV_{ee})**
 - **Form factor**
- Efficiencies incorporated
 - **Poisson trigger**
 - **Light collection response**
 - **Energy resolution**
 - **PMT noise cuts**
 - **Fiducial volume (S3)**
 - **Dead-time**
- ‘Standard’ DM model

