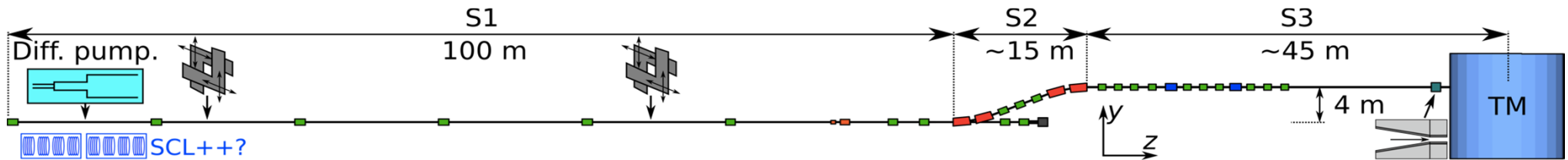




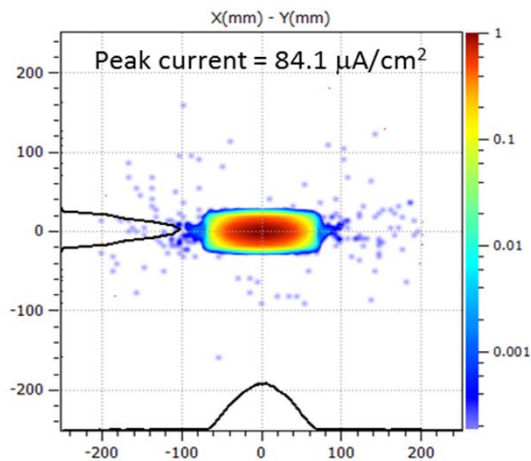
EUROPEAN
SPALLATION
SOURCE

ADU-WP7: HEBT, magnets and power supplies

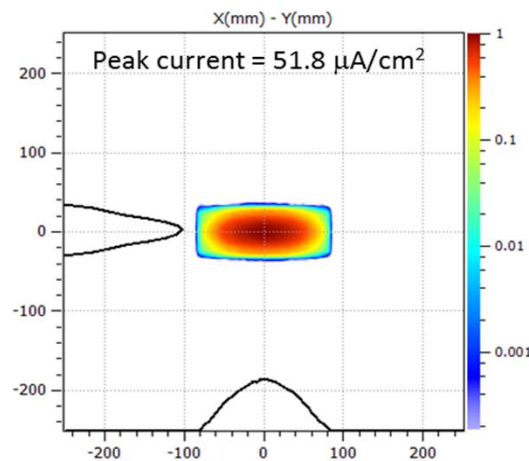


Spreading on target without losses

Proton Beam Window



Target



Comments and discussions

- Our contribution to ADU will be finished in 2012 very much like planned. TDR contribution and costing has been made.
- HEBT with spreading system has been designed to fulfill the requirements in particular of target and PBW
- Progress on collimation system is being designed by Poland
- Pending are many details regarding beam properties (losses, "worst case beam"), interfacing to buildings, infrastructure, target (PBW and target) and dumps
- Designs of all magnets in 2D/3D have been made, taking "green" power consumption into consideration. Matched power supplies identified.
- Prototypes has been identified: 1. movable collimator, 2. high-field radiation hard remote-exchangable octupole, 3. warm linac intersection
- Contract for 2013+ is urgent! Future Danish participation, also in-kind, will again be as an "open call".