

FRM3R

– a reflectometer for
kinetics and liquid
surfaces

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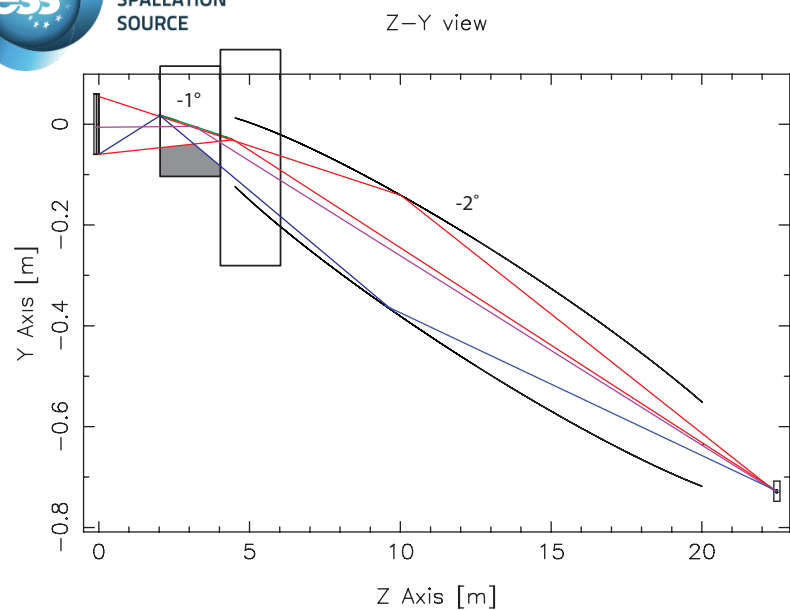
Pancake meeting

Lund, 12 February 2014



EUROPEAN
SPALLATION
SOURCE

Beam extraction

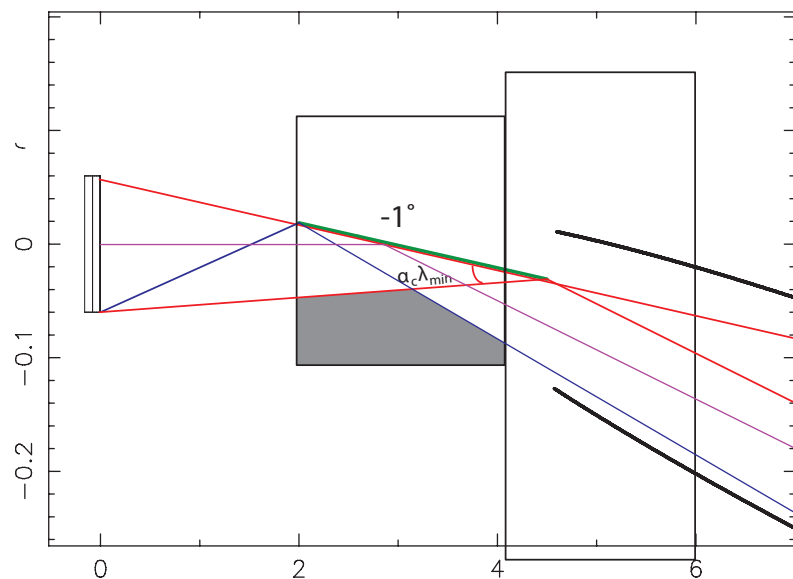


2-12Å

mirror acts as virtual source and allows 4 degrees of vertical divergence to be extracted "around the corner" into guide inclined at -2 degrees.

Divergence used for angles of incidence on horizontal sample – defines accessible Q-range.

with mirror – large moderator (>10cm)



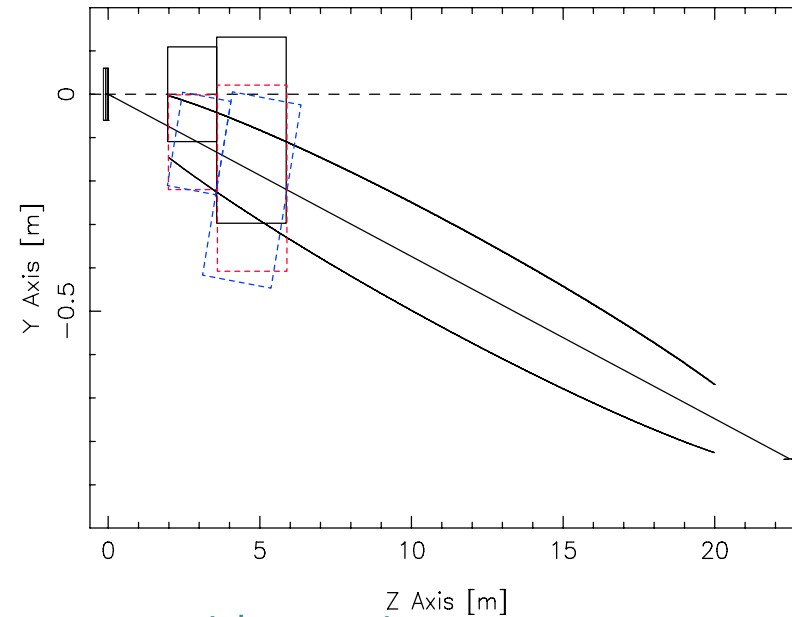
Beam extraction

Z-Y view

without mirror:

focusing into moderator allows
pancake moderator but implies that
beam extraction unit needs to be
customized

Moderator height optimisation done
using this instrument model



without mirror

