SPS Scrapers for LHC injection

LHC injection well above pilot intensities:
scraping at 3.5 +/- 0.5 σ (ε_n = 3.5 μrad)
in the SPS in regular operation
+ collimators to absorb the scraped particles

compatibility with fixed target and CNGS beam ?

rough numbers (based on G.Arduini)

450 GeV LHC injection
scraping ~ 4 mm 3.5 σ
collimation 20 mm H, 38 mm V ~ 23 σ

SPS at injection, LHC beam, 26 GeV
scrapers at 29 mm H, 27 mm V
collimators at 22 mm H, 39 mm V
ring aperture limit by TIDV11892 and momentum scraper TIDP11434 (heavy objects)

full compatibility with CNGS and LHC fixed targed injection, 14 GeV
scrapers
at 68 mm H, 29 mm V
collimators at 44 mm H, 42 mm V

for full compatibility: move collimators out by ~ 24 mm + retract TIDs

Can the collimators be destroyed by accidental local beam loss ?
Probably yes : leave them in he shadow of TIDs + active protection (beam loss monitors)