2HDM Type-II, $d\sigma/dm_{Zh}$, LHC at 13 TeV, (gg -> Z + A -> Zh) process

Hybrid basis:

$m_A = 400.00$ GeV/c^2

$\Gamma_A = 4.212$ GeV

$\cos(\beta-\alpha) = 0.49$

$\tan(\beta) = 3.72$

$m_h = 125.00$ GeV/c^2

$m_H = 500.00$ GeV/c^2

$m_{H^{+/-}} = 500.00$ GeV/c^2

Z4 = -2.43

Z5 = 0.54

Z7 = 0.00

$\sigma(Z) = 35.11$ fb

$\sigma(A) = 243.32$ fb

$\sigma(A+Z) = 287.52$ fb

$\sigma(int) = 9.09$ fb