data fit with pdf (status = 0, covQual = -1)

$a1 = 0.820 \pm 0.043$

$a2 = 1.149 \pm 0.061$

$dm = -0.500000 \pm 0.00021$

$n1 = 10.0000 \pm 0.0059$

$n2 = 10.00000 \pm 0.00034$

$sigma = 1.924 \pm 0.078$

$\chi^2_R = 2.21958806118$