

Key comparison CCRI(III)-K8

MEASURAND : Thermal neutron fluence

x_i : measurement result obtained by laboratory i
expressed as the mean ratio of measured
instrument response by laboratory i to the
reference instrument response

u_i : combined standard uncertainty of x_i

Lab i	x_i	u_i
NMIJ	0.993	0.019
NPL	0.918	0.025
PTB	0.987	0.036

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Key comparison reference value: x_R is taken as 1

The degree of equivalence of each laboratory i with respect to the reference value is given by a pair of terms: $D_i = (x_i - x_R)$ and U_i , its expanded uncertainty ($k = 2$), both expressed in cm^2/cm^2 , $U_i = 2u_i$.

When required, the degree of equivalence between two laboratories is given by a pair of terms: $D_{ij} = D_i - D_j$ and U_{ij} , its expanded uncertainty ($k = 2$), expressed in cm^2/cm^2 .
Pair-wise degrees of equivalence are given in Table 3 of the Final Report.

Lab i ↓

	D_i	U_i
	/ (cm^2/cm^2)	
NMIJ	-0.007	0.038
NPL	-0.082	0.050
PTB	-0.013	0.072

CCRI(III)-K8
Degrees of equivalence for thermal neutron fluence:
 D_i and expanded uncertainty U_i ($k = 2$), both expressed in cm^2/cm^2

