

EXFOR Dictionary 25 – units

Action A9

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Conclusion 16 : The proposal on consistency of unit codes (2 instead of –SQ, MU instead of MICRO- and MU-) was approved

Action 9 : Summarize proposals on change in dictionary 25 based on the Conclusion 16 and submit it as memo

SQUARE “-SQ” →2

Obsolete code	New code	Expansion	No of entries/ subentries
GY*M-SQ	FGY*M2	femto-Gray*m-squared	5/57
EV-SQ	EV2	eV-squared	3/3
GEV-SQ	GEV2	GeV-squared	1/1
KEV-SQ	KEV2	keV-squared	0/0
MEV-SQ	MEV2	MeV-squared	0/0
G/CM-SQ	G/CM2	gram/cm-squared	73/214
B*EV-SQ	B*EV2	barns * eV-squared	47/101
MB*EV-SQ	MB*EV2	milli-barns*eV-squared	0/0

Prefixes femto, nano

Obsolete code	New code	Expansion	No of entries/ subentries
FERMI	FM	femto-meter	211/758
MILLI-MU	NM	nano-meter	0/0

We propose

1. To add new codes to dictionary 25 and make corresponding existing codes obsolete
2. To keep hyphenation between prefix and the base unit code when prefix code consist of more than one character, because this makes the unit code more readable i.e. MU-EV instead of MUEV
3. To introduce new code
 $\text{fGy} \times \text{m}^2$,
since the existing code $\text{Gy} \times \text{m}^2$ is too large for majority of data compiled in EXFOR