

Flux Density Conversion (*E* in keV; *λ* in Å)

TO → FROM ↓	<i>S</i> <sub>ν</sub> (Jy)	<i>f<sub>E</sub></i> ( $\frac{\text{photons}}{\text{cm}^2 \text{ s keV}}$ )	<i>f<sub>λ</sub></i> ( $\frac{\text{photons}}{\text{cm}^2 \text{ s Å}}$ )	<i>F<sub>λ</sub></i> ( $\frac{\text{ergs}}{\text{cm}^2 \text{ s Å}}$ )	<i>F<sub>ν</sub></i> ( $\frac{\text{ergs}}{\text{cm}^2 \text{ s Hz}}$ )
<i>S</i> <sub>ν</sub> (Jy)	<i>S</i> <sub>ν</sub> (Jy)	$1.51 \times 10^3 S_\nu / E$	$1.51 \times 10^3 S_\nu / \lambda$	$3.00 \times 10^{-5} S_\nu / \lambda^2$	$10^{-23} S_\nu$
<i>f<sub>E</sub></i> ( $\frac{\text{photons}}{\text{cm}^2 \text{ s keV}}$ )	$6.63 \times 10^{-4} E f_E$	<i>f<sub>E</sub></i>	$8.07 \times 10^{-2} E^2 f_E$	$1.29 \times 10^{-10} E^3 f_E$	$6.63 \times 10^{-27} E f_E$
<i>f<sub>λ</sub></i> ( $\frac{\text{photons}}{\text{cm}^2 \text{ s Å}}$ )	$6.63 \times 10^{-4} \lambda f_\lambda$	$8.07 \times 10^{-2} \lambda^2 f_\lambda$	<i>f<sub>λ</sub></i>	$1.99 \times 10^{-8} f_\lambda / \lambda$	$6.63 \times 10^{-27} \lambda f_\lambda$
<i>F<sub>λ</sub></i> ( $\frac{\text{ergs}}{\text{cm}^2 \text{ s Å}}$ )	$3.34 \times 10^4 \lambda^2 F_\lambda$	$4.06 \times 10^6 \lambda^3 F_\lambda$	$5.03 \times 10^7 \lambda F_\lambda$	<i>F<sub>λ</sub></i>	$3.34 \times 10^{-19} \lambda^2 F_\lambda$
<i>F<sub>ν</sub></i> ( $\frac{\text{ergs}}{\text{cm}^2 \text{ s Hz}}$ )	$10^{23} F_\nu$	$1.51 \times 10^{26} F_\nu / E$	$1.51 \times 10^{26} F_\nu / \lambda$	$3.00 \times 10^{18} F_\nu / \lambda^2$	<i>F<sub>ν</sub></i>

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