

ALMA MATER STUDIORUM · UNIVERSITÀ DI BOLOGNA

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Scuola di Scienze  
Dipartimento di Fisica e Astronomia  
Corso di Laurea Magistrale in Astrofisica e Cosmologia

# X-ray analysis and broad-band properties of [NeV]-selected type 2 AGN

ALLEGATO A

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# Appendix A - SED fitting results

In this section we report the SED fitting results for the sources from 803886 to 824025, the SED-fitting of the other sources are in Appendix B. All the details about the sample, the SED-fitting code and the model used are explained in details in section 4.

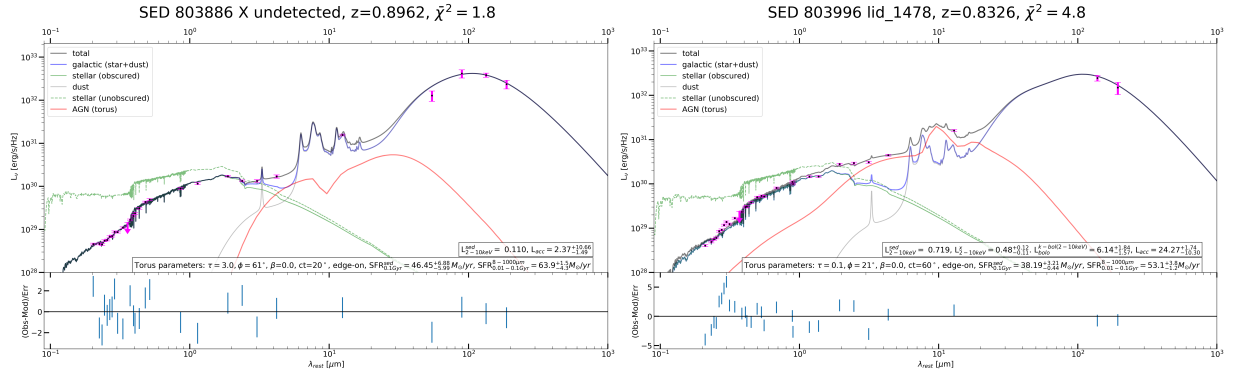
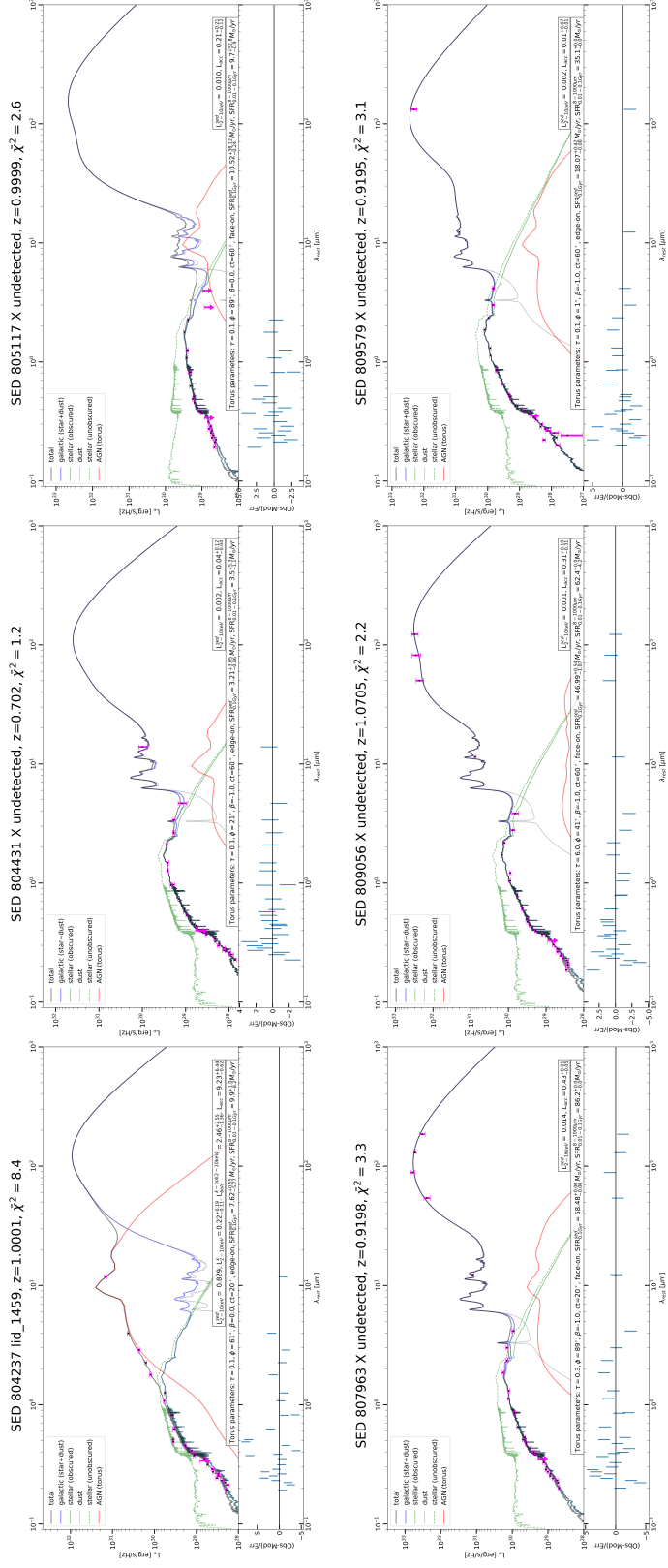
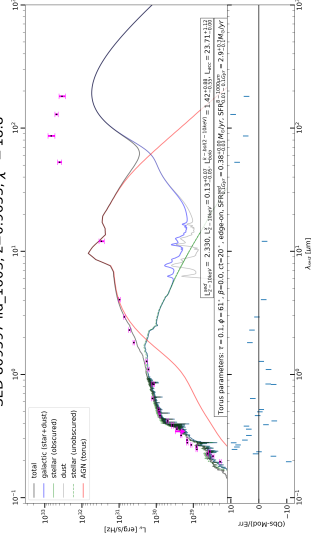


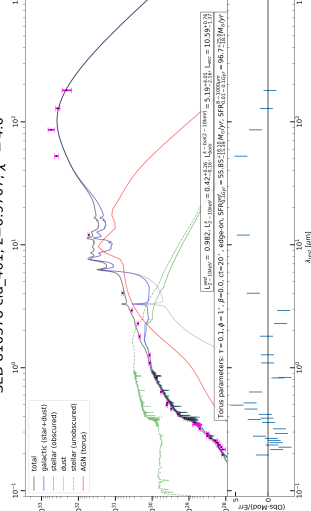
Figure 1: SED decomposition and residuals to the best-fitting solution. Data with  $1\sigma$  confidence error are from the COSMOS2015 catalog (Laigle et al. 2016). The black line is the best-fit SED, the blue is the galactic contribution, which is composed of heated-dust emission (grey) and stellar emission (green). The green dashed line is the stellar contribution accounting for the dust extinction. The red line is the torus (AGN) emission. The reported  $\bar{\chi}^2$  is the  $\chi^2$  divided by the number of photometric points.



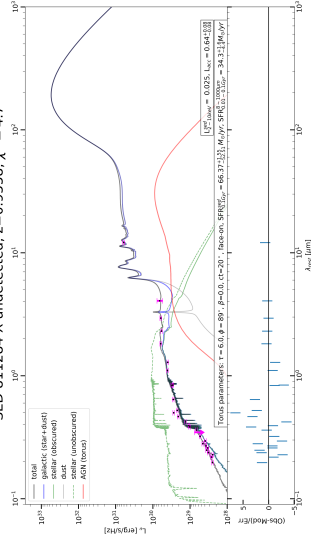
SED 809597 lid\_1603,  $z=0.9653$ ,  $\chi^2 = 18.8$



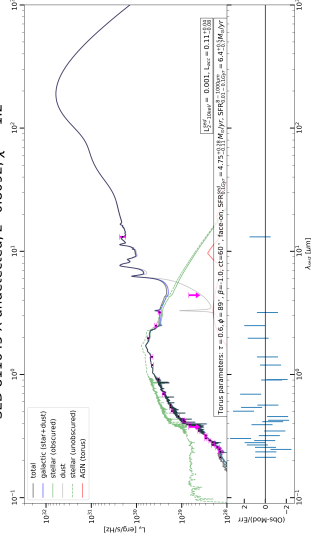
SED 810378 cid\_401,  $z=0.9707$ ,  $\chi^2 = 4.0$



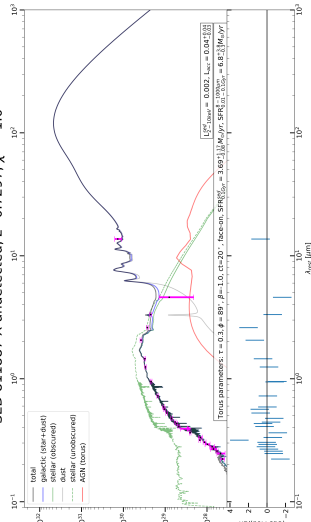
SED 811284 X undetected,  $z=0.9558$ ,  $\chi^2 = 4.7$



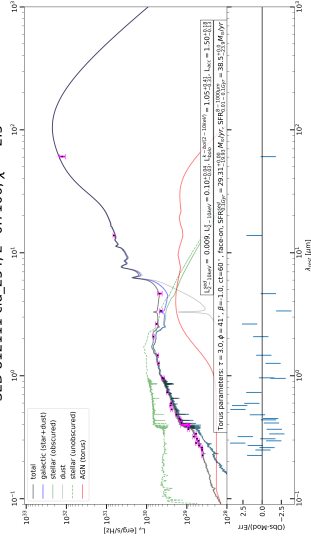
SED 811645 X undetected,  $z=0.8092$ ,  $\chi^2 = 1.2$

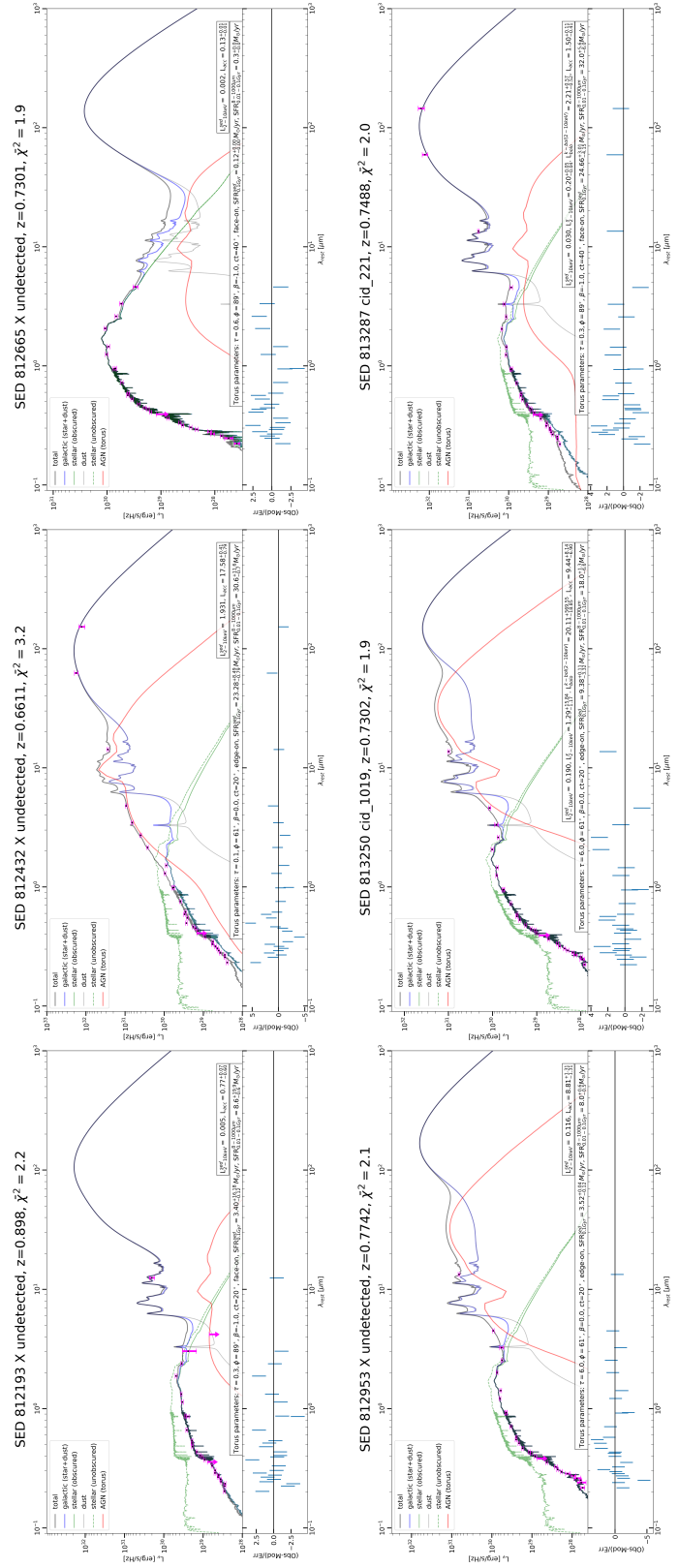


SED 811887 X undetected,  $z=0.7297$ ,  $\chi^2 = 1.0$

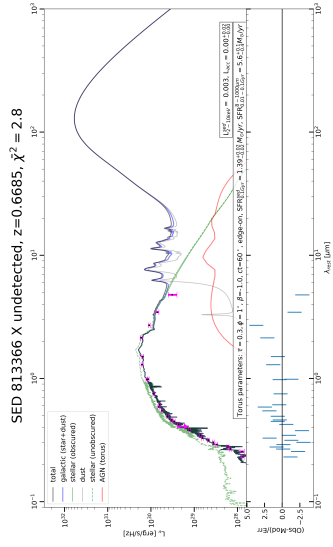


SED 812111 cid\_254,  $z=0.7106$ ,  $\chi^2 = 2.5$

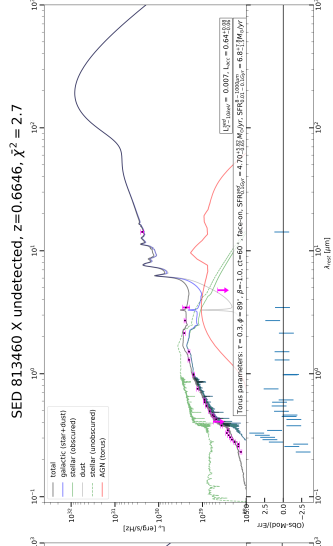




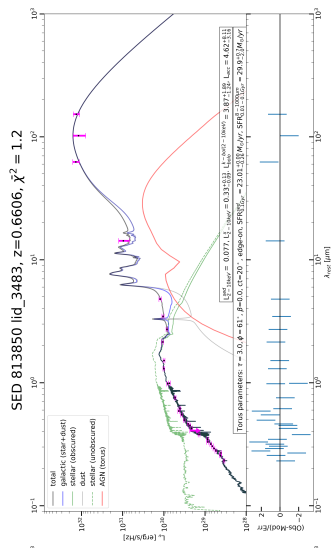
SED 813366 X undetected,  $z=0.6685$ ,  $\chi^2 = 2.8$



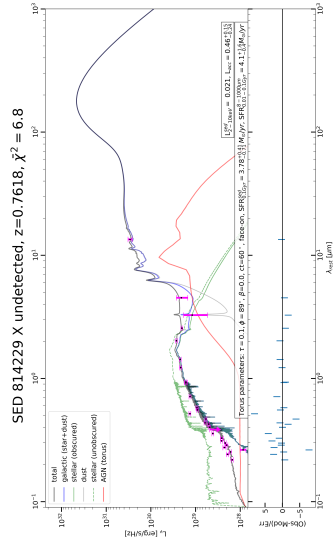
SED 813460 X undetected,  $z=0.6646$ ,  $\chi^2 = 2.7$



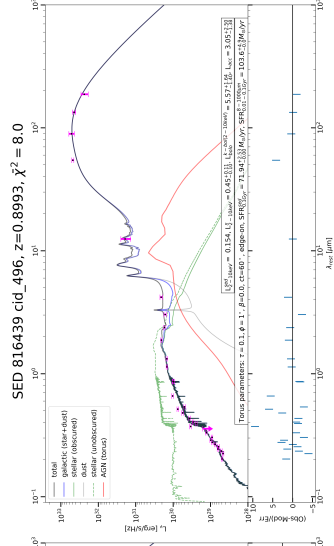
SED 813850 lid\_3483,  $z=0.6606$ ,  $\chi^2 = 1.2$



SED 814229 X undetected,  $z=0.7618$ ,  $\chi^2 = 6.8$



SED 816439 cid\_496,  $z=0.8993$ ,  $\chi^2 = 8.0$



SED 817002 cid\_381,  $z=0.8649$ ,  $\chi^2 = 1.7$

