

# Erratum: "Photometric Properties of Ly $\alpha$ Emitters at $z \approx 4.86$ in the COSMOS 2 Square Degree Field"

---

Shioya, Y.; Taniguchi, Y.; Sasaki, S.; Nagao, T.; Murayama, T.; Saito, T.; Ideue, Y.; Nakajima, A.; Matsuoka, K.; Trump, J.; ...

Source / Izvornik: **Astrophysical Journal**, 2009, 700, 899 - 900

Journal article, Published version

Rad u časopisu, Objavljena verzija rada (izdavačev PDF)

<https://doi.org/10.1088/0004-637X/700/1/899>

Permanent link / Trajna poveznica: <https://urn.nsk.hr/urn:nbn:hr:217:786492>

Rights / Prava: [In copyright](#) / [Zaštićeno autorskim pravom](#).

Download date / Datum preuzimanja: **2024-09-26**



Repository / Repozitorij:

[Repository of the Faculty of Science - University of Zagreb](#)



## ERRATUM: “PHOTOMETRIC PROPERTIES OF Ly $\alpha$ EMITTERS AT $z \approx 4.86$ IN THE COSMOS 2 SQUARE DEGREE FIELD” (2009, *ApJ*, 696, 546)

Y. SHIOYA<sup>1</sup>, Y. TANIGUCHI<sup>1</sup>, S. S. SASAKI<sup>2,3</sup>, T. NAGAO<sup>1,3</sup>, T. MURAYAMA<sup>3</sup>, T. SAITO<sup>1</sup>, Y. IDEUE<sup>2</sup>, A. NAKAJIMA<sup>2</sup>,  
K. MATSUOKA<sup>2</sup>, J. TRUMP<sup>1,4</sup>, N. Z. SCOVILLE<sup>5</sup>, D. B. SANDERS<sup>6</sup>, B. MOBASHER<sup>7</sup>, H. AUSSEL<sup>8</sup>, P. CAPAK<sup>5,9</sup>, J. KARTALTEPE<sup>6</sup>,  
A. KOEKEMOER<sup>10</sup>, C. CARILLI<sup>11</sup>, R. S. ELLIS<sup>5,12</sup>, B. GARILLI<sup>13</sup>, M. GIAVALISCO<sup>10</sup>, M. G. KITZBICHLER<sup>14</sup>, C. IMPEY<sup>4</sup>, O. LEFEVRE<sup>15</sup>,  
E. SCHINNERER<sup>16</sup>, AND V. SMOLCIC<sup>17,18</sup>

<sup>1</sup> Research Center for Space and Cosmic Evolution, Ehime University, Bunkyo-cho, Matsuyama 790-8577, Japan

<sup>2</sup> Graduate School of Science and Engineering, Ehime University, Bunkyo-cho, Matsuyama 790-8577, Japan

<sup>3</sup> Astronomical Institute, Graduate School of Science, Tohoku University, Aramaki, Aoba, Sendai 980-8578, Japan

<sup>4</sup> Steward Observatory, University of Arizona, Tucson, AZ 85721, USA

<sup>5</sup> Department of Astronomy, MS 105-24, California Institute of Technology, Pasadena, CA 91125, USA

<sup>6</sup> Institute for Astronomy, University of Hawaii, 2680 Woodlawn Drive, HI 96822, USA

<sup>7</sup> Department of Physics and Astronomy, University of California, Riverside, CA 92521, USA

<sup>8</sup> AIM Unité Mixte de Recherche CEA CNRE Université Paris VII UMR n158, France

<sup>9</sup> *Spitzer* Science Center, California Institute of Technology, Pasadena, CA 91125, USA

<sup>10</sup> Space Telescope Science Institute, 3700 San Martin Drive, Baltimore, MD 21218, USA

<sup>11</sup> National Radio Astronomy Observatory, P.O. Box 0, Socorro, NM 87801-0387, USA

<sup>12</sup> Department of Astrophysics, Keble Road, Oxford OX2 3RH, UK

<sup>13</sup> INAF, Istituto di Astrofisica Spaziale e Fisica Cosmica, Sezione di Milano, via Bassini 15, 20133 Milano, Italy

<sup>14</sup> Max-Planck-Institut für Astrophysik, D-85748 Garching bei München, Germany

<sup>15</sup> Laboratoire d’Astrophysique de Marseille, BP 8, Traverse du Siphon, 13376 Marseille Cedex 12, France

<sup>16</sup> Max Planck Institut für Astronomie, Königstuhl 17, D-69117 Heidelberg, Germany

<sup>17</sup> Princeton University Observatory, Princeton, NJ 08544, USA

<sup>18</sup> University of Zagreb, Department of Physics, Bijenicka cesta 32, 10000 Zagreb, Croatia

Due to an error in processing the data, we have published wrong values of  $EW_0$  in Table 1 in the original paper, published 2009 April 16. The true values are derived by the multiplication of 0.83 to the values in Table 1 in the original paper. As a result, Figures 9 and 10 are incorrect in the original paper. The correct versions of Figures 9 (top) and 10 are presented here.

The Ly $\alpha$  luminosity functions (LFs) of our sample in Figures 7 and 8 are corrected for the absorption by intergalactic neutral hydrogen as in Figure 4(a) in Ouchi et al. (2003, *ApJ*, 582, 60). The correct caption to Figure 7 is “the Ly $\alpha$  LF of our sample that is corrected for the absorption by intergalactic neutral hydrogen as Ouchi et al. (2003)” instead of “the Ly $\alpha$  LF of our sample.”

These do not change any discussion in the text.

We thank Masakazu A. R. Kobayashi for bringing these errors to our attention.

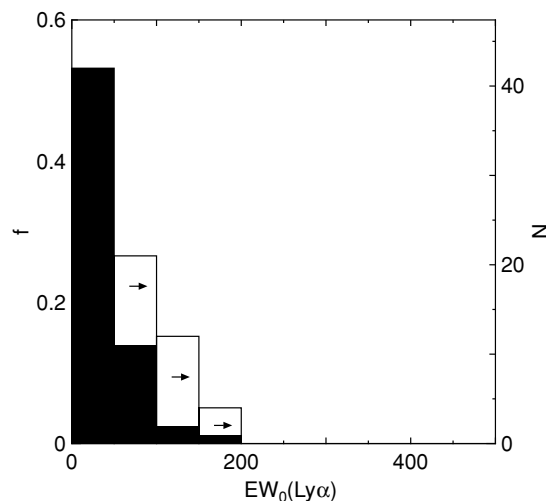


Figure 9. (Top)

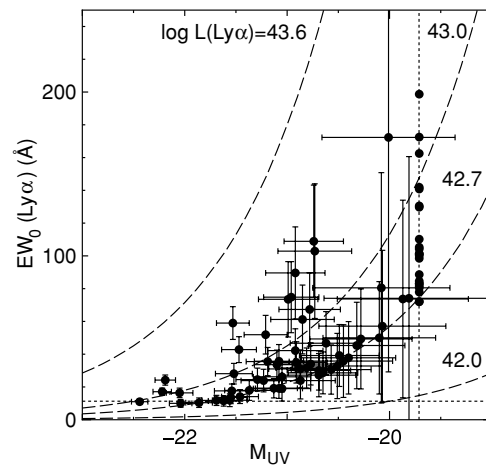


Figure 10.