TOWARDS THE VIRTUAL RECONSTRUCTION OF THE AULOS FROM SELINUNTE

Fig. 1. Selinunte, State plan of Temple R with indication of Trench O. © Institute of Fine Arts, NYU.

Fig. 2. Selinunte, Temple R: Aulos fragments. Photograph by Raffaele Franco. © Institute of Fine Arts, NYU.

Fig. 3. Selinunte, Temple R: Aulos fragments. Drawing by Filippo Pisciotta. © Institute of Fine Arts, NYU.
Fig. 4. Computed Axial Tomography. Photograph by Angela Bellia.

Fig. 5. Computed Axial Tomography of the aulos.
Fig. 6. The two sections of the aulos fit together.

Fig. 7. Distances between holes from upstream end of the section and their diameters.
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Marie Curie Action
International Outgoing Fellowships for Career Development

Marie Curie Researcher: Angela Bellia

Scientists in charge:
Prof. Clemente Marconi
(Institute of Fine Arts – New York University)
Prof. Donatella Restani
(Department of Cultural Heritage – University of Bologna)

<table>
<thead>
<tr>
<th>Hole</th>
<th>distance (mm)</th>
<th>d₁ (→ mm)</th>
<th>d₂ (⊥ mm)</th>
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<tr>
<td>I</td>
<td>32.96</td>
<td>9.9</td>
<td>9.9</td>
</tr>
<tr>
<td>T</td>
<td>56.44</td>
<td>7.54</td>
<td>7.99</td>
</tr>
<tr>
<td>II</td>
<td>74.57</td>
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<td>8.18</td>
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<tr>
<td>III</td>
<td>105.19</td>
<td>7.57</td>
<td>8.29</td>
</tr>
</tbody>
</table>

Fig. 8. Measures of the pipe.

Fig. 9. The aulos from Selinunte and its three-dimensional artificial copy. Photograph by Angela Bellia.
Fig. 10. Polymer copy of the aulos from Selinunte.

Fig. 11. Video of the aulos.
Fig. 12. American Archaeological Mission at Selinunte, in Sicily. Pitano Perra, an Italian wind instrument maker, is playing the reconstructed ancient instrument in the same place of its discovery. The instrument has been reconstructed on the bases of the digital model translated into a three-dimensional copy using polymer as a material. Video: https://www.youtube.com/watch?v=T2UpC-12TsK

Acknowledgment

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The study on virtual reconstruction of the aulos from Temple R at Selinunte has been accepted as a project of the European Association for Digital Humanities. [http://eadh.org/projects/virtual-reconstruction-ancient-musical-instrument]
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The Aulos from Selinunte on the website "Syrian Researchers":
http://www.syr-res.com/article/9768.html
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Other Links:
- Antico “aulos” di Selinunte, tornerà a rivivere con la stampa 3D, in “CastelvetranoSelinunte” (25 Settembre 2015)
- http://www.castelvetranoselinunte.it/antico-aulos-di-selinunte-tornerà-a-rivivere-con-la-stampa-3d/73242/