



HAL
open science

New discoveries and re-discoveries of human remains from the late Middle Pleistocene (

Amélie Vialet, Laura Martín-Francés, Marina Martínez de Pinillos, Benoît Bertrand, Maria Martín-Torres, Christophe Falguères, José María Bermúdez de Castro, Guillaume Fleury, Christian Perrenoud, Olivier Tombret, et al.

► To cite this version:

Amélie Vialet, Laura Martín-Francés, Marina Martínez de Pinillos, Benoît Bertrand, Maria Martín-Torres, et al.. New discoveries and re-discoveries of human remains from the late Middle Pleistocene (

HAL Id: hal-04118032

<https://hal.science/hal-04118032>

Submitted on 5 Jul 2024

HAL is a multi-disciplinary open access archive for the deposit and dissemination of scientific research documents, whether they are published or not. The documents may come from teaching and research institutions in France or abroad, or from public or private research centers.

L'archive ouverte pluridisciplinaire **HAL**, est destinée au dépôt et à la diffusion de documents scientifiques de niveau recherche, publiés ou non, émanant des établissements d'enseignement et de recherche français ou étrangers, des laboratoires publics ou privés.



Distributed under a Creative Commons Attribution - NonCommercial - ShareAlike 4.0 International License

New discoveries and re-discoveries of human remains from the late Middle Pleistocene (< 300 ka) in the Coupe-Gorge cave (Montmaurin, France)

Nouvelles découvertes et re-découvertes de restes humains de la fin du Pléistocène moyen (< 300 ka) dans la grotte de Coupe-Gorge (Montmaurin, France)

Amélie Vialet, Laura Martín-Francés, Marina Martinez de Pinillos, Benoît Bertrand, Maria Martín-Torres, José María Bermúdez de Castro, Guillaume Fleury, Christian Perrenoud, Christophe Falguères, Olivier Tombret et Jean-Jacques Bahain



Édition électronique

URL : <https://journals.openedition.org/bmsap/11466>

DOI : [10.4000/bmsap.11466](https://doi.org/10.4000/bmsap.11466)

ISSN : 1777-5469

Éditeur

Société d'Anthropologie de Paris

Référence électronique

Amélie Vialet, Laura Martín-Francés, Marina Martinez de Pinillos, Benoît Bertrand, Maria Martín-Torres, José María Bermúdez de Castro, Guillaume Fleury, Christian Perrenoud, Christophe Falguères, Olivier Tombret et Jean-Jacques Bahain, « New discoveries and re-discoveries of human remains from the late Middle Pleistocene (< 300 ka) in the Coupe-Gorge cave (Montmaurin, France) », *Bulletins et mémoires de la Société d'Anthropologie de Paris* [En ligne], 35(S) | 2023, mis en ligne le 15 janvier 2023, consulté le 25 décembre 2023. URL : <http://journals.openedition.org/bmsap/11466> ; DOI : <https://doi.org/10.4000/bmsap.11466>

Ce document a été généré automatiquement le 26 décembre 2023.



Le texte seul est utilisable sous licence CC BY-NC-ND 4.0. Les autres éléments (illustrations, fichiers annexes importés) sont « Tous droits réservés », sauf mention contraire.

New discoveries and re-discoveries of human remains from the late Middle Pleistocene (< 300 ka) in the Coupe-Gorge cave (Montmaurin, France)

Nouvelles découvertes et re-découvertes de restes humains de la fin du Pléistocène moyen (< 300 ka) dans la grotte de Coupe-Gorge (Montmaurin, France)

Amélie Vialet, Laura Martín-Francés, Marina Martínez de Pinillos, Benoît Bertrand, María Martín-Torres, José María Bermúdez de Castro, Guillaume Fleury, Christian Perrenoud, Christophe Falguères, Olivier Tombret et Jean-Jacques Bahain

- 1 The fame of the prehistoric sites of Montmaurin is based on the discovery in 1949 of a human mandible of archaic morphology appearance, now curated at the Musée de l'Homme. It comes from a karstic chimney called La Niche. Nearby is the Coupe-Gorge cave, which is larger than the Niche, although it was cut off by a quarry, and in which Louis Méroc undertook excavations with his team from 1946 to 1961. He uncovered some human remains which were later published by Ginette Billy (1982, 1985).
- 2 As part of a multidisciplinary research program initiated in 2018 (Dir. A. Vialet), we examined the ancient collections and resumed the excavation of complex II in two sectors of the cave (2020-2022). Thus, three human remains were added to the five previously discovered. At the same time, a series of U-Th/ESR dates were carried out on the stalagmitic cover and inter-stratified floors and on equid teeth from the lower levels. These analyses made it possible to propose for the first time a chrono-stratigraphic framework for the 7 m high Coupe-Gorge sequence, ranging from 300 ka (complex III) to the Upper Palaeolithic (complex II). Complex III yielded: a fragment of

immature mandible (symphysis) and an isolated tooth (RP⁴) above the stalagmitic floor dated to 200 ka and in the lower levels dated to 300 ka: a right maxilla bearing its P4-P3-C and two isolated teeth (LC sup., RM₃). Two teeth (LC sup., RP₄) identified in the collections have no stratigraphic provenance. To end, a diaphysis of a left humerus was discovered at the base of complex II during the 2022 excavation campaign. The results of the preliminary study of these fossils will be presented to discuss the development of the Neanderthal lineage in Western Europe during the late Middle Pleistocene.

AUTEURS

AMÉLIE VIALET

UMR 7194 HNHP, MNHN, CNRS, UPVD, Département Homme et Environnement, Musée de l'Homme, Paris, France
amelie.vialet[at]mnhn.fr

LAURA MARTÍN-FRANCÉS

CENIEH (National Research Center on Human Evolution), Burgos, Spain ; Department of Anthropology, University College, London, United Kingdom

MARINA MARTINEZ DE PINILLOS

CENIEH (National Research Center on Human Evolution), Burgos, Spain ; Department of Anthropology, University College, London, United Kingdom

BENOÎT BERTRAND

ULR 7367 UTML&A - Unité de Taphonomie Médico-Légale et d'Anatomie, Univ. Lille, CHU Lille, Lille, France

MARIA MARTINÓN-TORRES

CENIEH (National Research Center on Human Evolution), Burgos, Spain ; Department of Anthropology, University College, London, United Kingdom

JOSÉ MARÍA BERMÚDEZ DE CASTRO

CENIEH (National Research Center on Human Evolution), Burgos, Spain ; Department of Anthropology, University College, London, United Kingdom

GUILLAUME FLEURY

Muséum d'Histoire naturelle, Toulouse, France

CHRISTIAN PERRENOUD

UMR 7194 HNHP, MNHN, CNRS, UPVD, Département Homme et Environnement, Musée de l'Homme, Paris, France

CHRISTOPHE FALGUÈRES

UMR 7194 HNHP, MNHN, CNRS, UPVD, Département Homme et Environnement, Musée de l'Homme, Paris, France

OLIVIER TOMBRET

UMR 7194 HNHP, MNHN, CNRS, UPVD, Département Homme et Environnement, Musée de l'Homme, Paris, France

JEAN-JACQUES BAHAIN

UMR 7194 HNHP, MNHN, CNRS, UPVD, Département Homme et Environnement, Musée de l'Homme, Paris, France