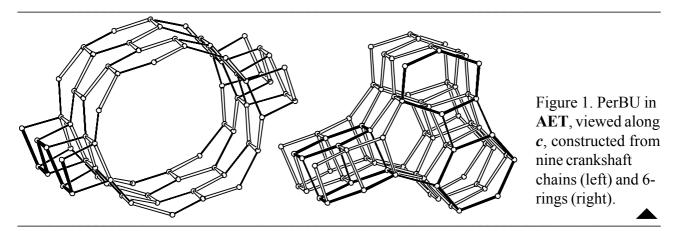
Building scheme for AET



1. Periodic Building Unit – 2. Connection mode – 3. Projections of the unit cell content 4. Channels and/or cages – 5. Supplementary information

1. Periodic Building Unit:

AET can be built using the crankshaft chain (bold in Figure 1 (left)) running parallel to *c*. The repeat distance along a crankshaft chain varies between 8.4-9.9 Å. The repeat unit consists of 4 T atoms. A one-dimensional Periodic Building Unit (PerBU) is obtained when seven crankshaft chains are linked into a channel with a 14-ring aperture with two additional chains as "handles". The channel wall consists of fused 6-rings. An alternative PerBU can be built from 6-rings (bold in Figure 1 (right)).



2. Connection mode:

Neighboring PerBUs, related by pure translations along b, and along $(a \pm b)$, are connected through triple crankshaft chains and through 6-rings, respectively, as shown in Figure 2.

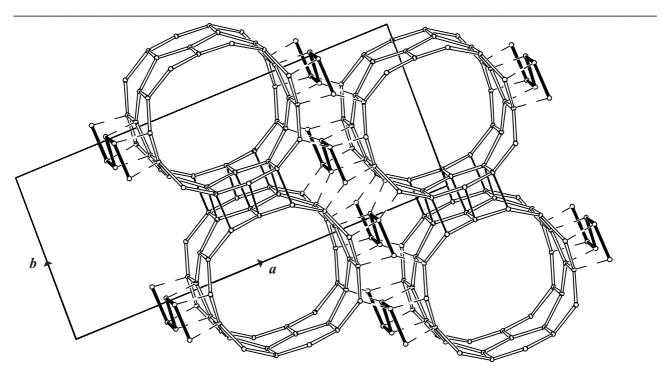
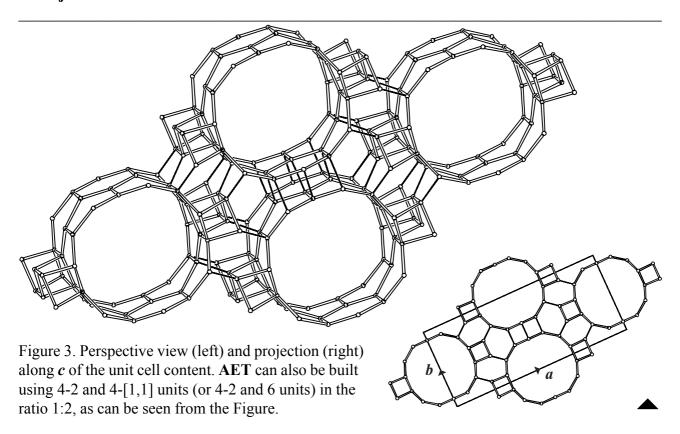


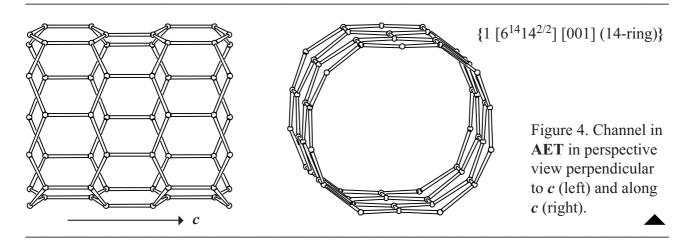
Figure 2. Connection mode viewed along c. For clarity, only $1\frac{1}{2}$ repeat unit of the PerBUs along c are drawn.

3. Projections of the unit cell content:



4. Channels and/or cages:

The non-interconnecting one-dimensional channels in **AET**, parallel to c, are topologically equivalent to the channels in **DON**. One channel is depicted in Figure 4 together with the **pore descriptor**.



5. Supplementary information:

Other framework types containing crankshaft chains

In several framework types at least one of the unit cell dimensions is between 8.4 and 9.9 Å. In many cases this indicates the presence of crankshaft chains.

In the **INTRO** pages links are given to detailed descriptions of these framework types (choose: **Crankshaft chains**). There is also a link provided to a summary of the Periodic Building Units used in the building schemes of these framework types (choose: **Appendix**; **Figure 3**).