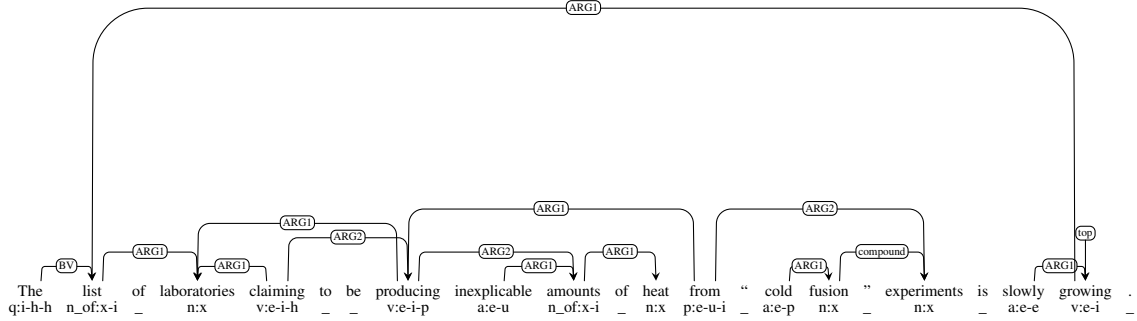
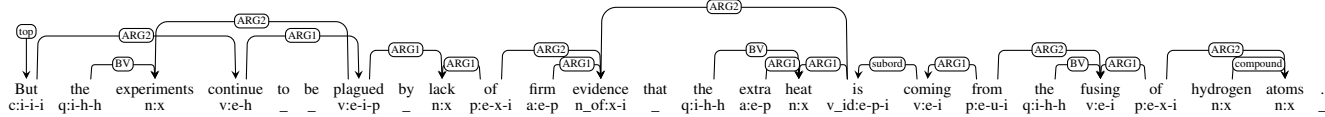


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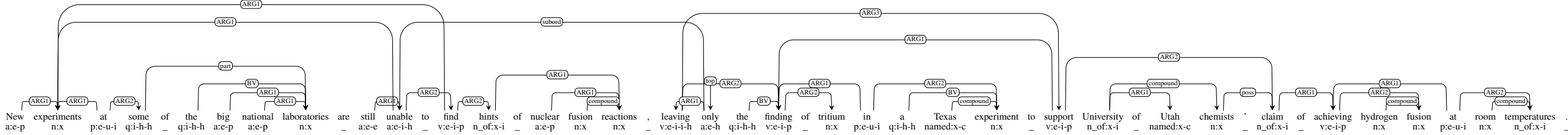
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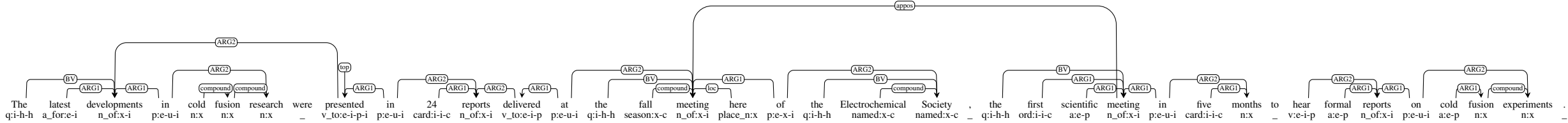
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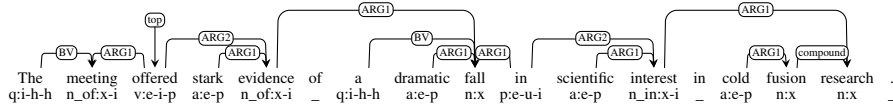
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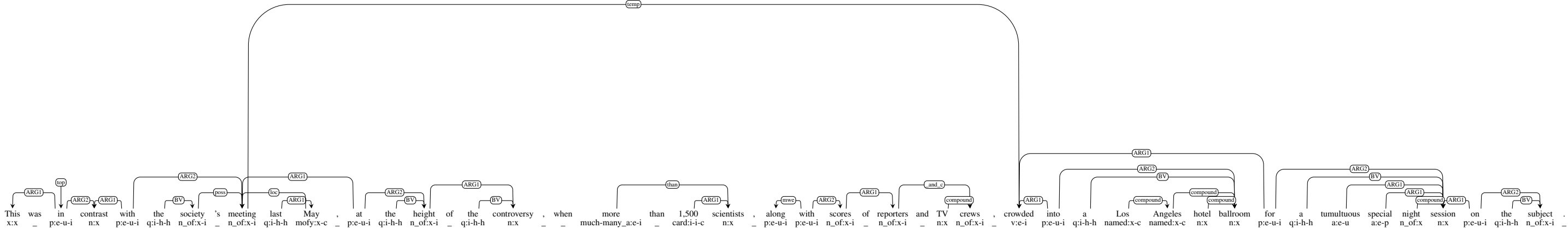
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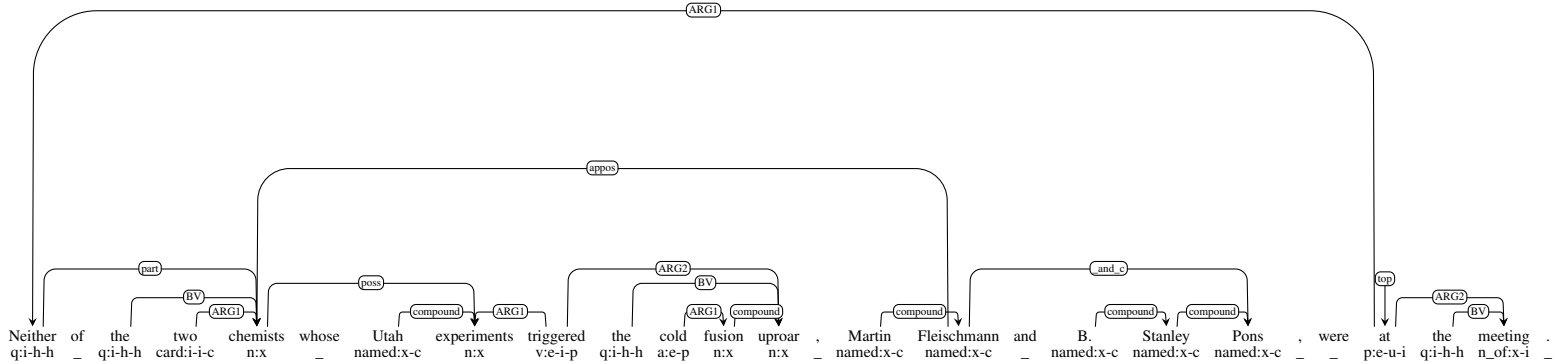
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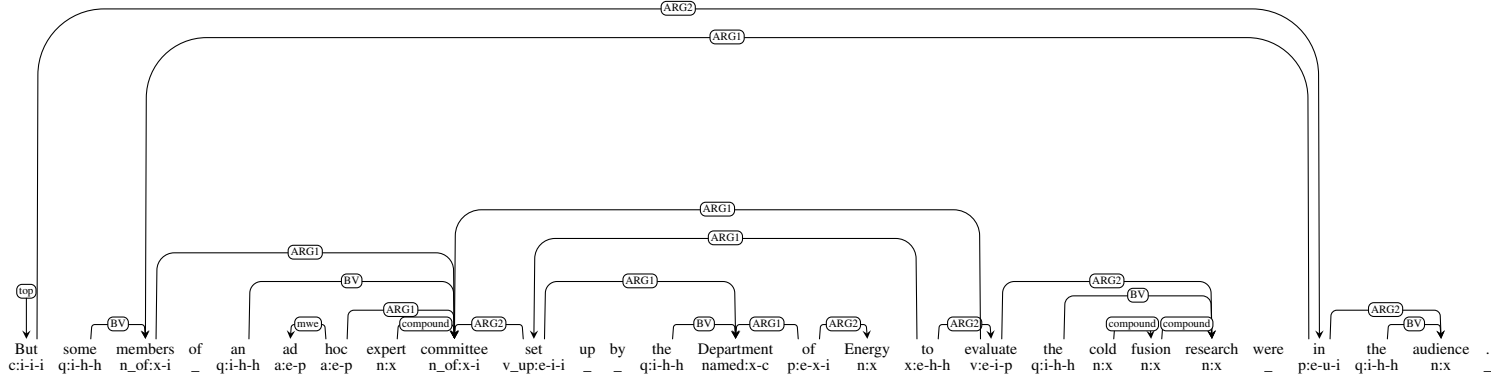
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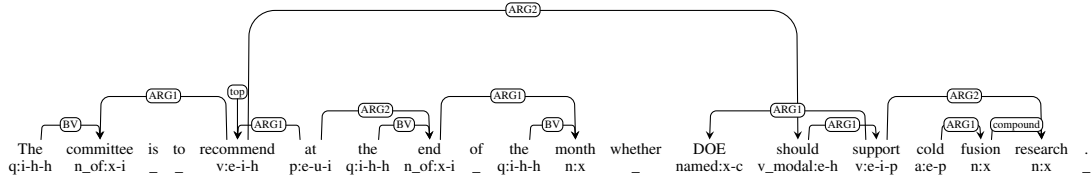
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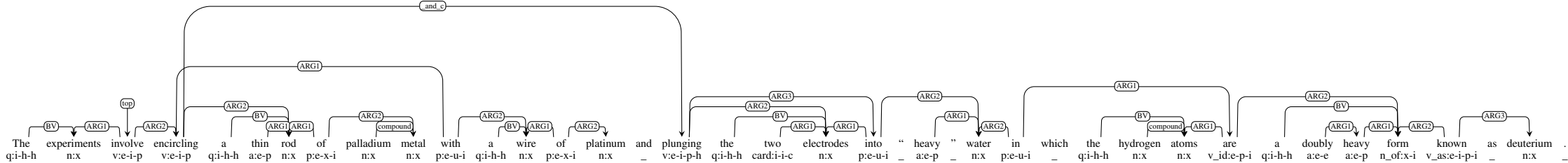
[21550009]



[21550010]



[21550012]



[21550013]

When an electric current is applied to the palladium and platinum electrodes, the heavy water did begin to break up, or dissociate.

[21550015]

But Messrs. Fleischmann and Pons said their experiments also produced large amounts of heat.

[21550016]

The heat energy plus the energy consumed by the breakup of the water molecules added to far more energy coming out of the apparatus than electrical energy going in, they reported.

[21550017]

Because they also detected tritium and indications of nuclear radiation, they asserted that the "excess" heat energy must be coming from energy released by the nuclear fusion of deuterium atoms inside the palladium rod.

[21550018]

As of last weekend, a dozen labs also have reported measuring "excess" heat from similar electrolytic experiments, although amounts of such heat vary widely.

[21550019]

One of the seven reports presented here of excess heat production was given by Richard A. Orani, professor of chemical engineering at the University of Minnesota.

[21550020]

Mr. Orani said his skepticism of the Utah claims was initially confirmed when his first experiments last spring failed to produce results.

[21550021]

But he then borrowed a palladium rod from chemists at Texas A&M who said they were getting excess heat.

[21550022]

"The results were fascinating," he said.

[21550023]

On the fourth "run" with the borrowed rod, the experiment began producing excess heat.

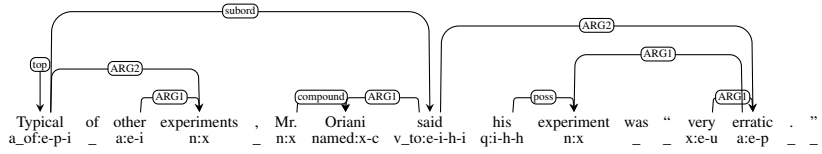
[21550024]

The experiment was stopped briefly to change an instrument.

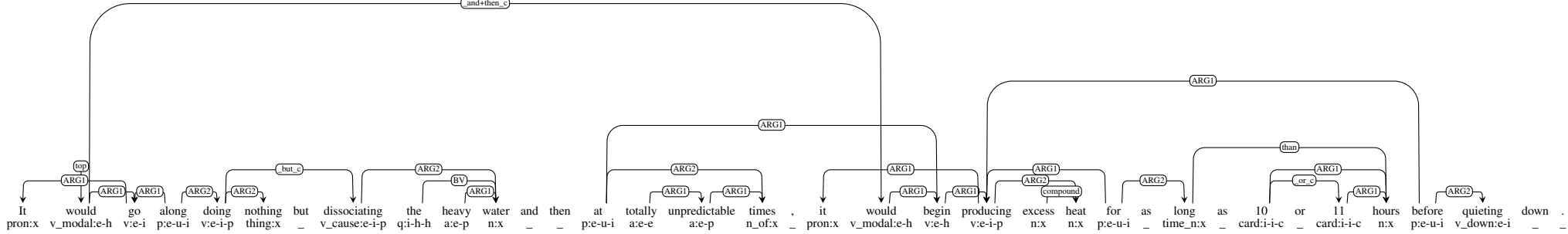
[21550025]

When it was restarted, heat output "really took off" and produced excess heat for several hours before dying down, he said.

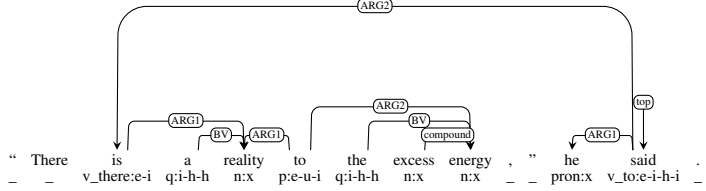
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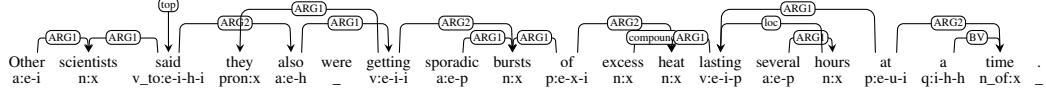
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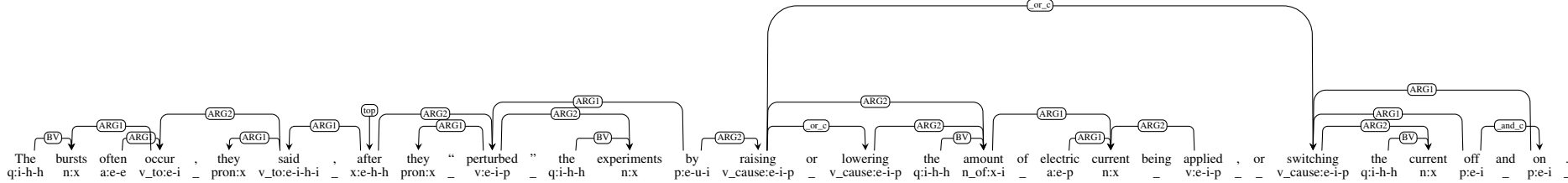
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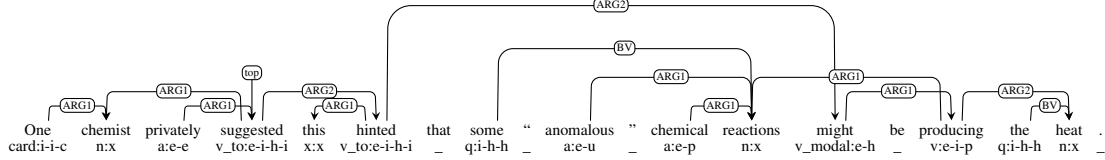
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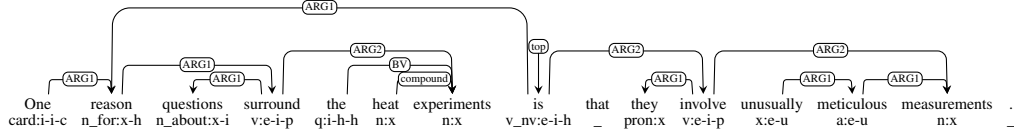
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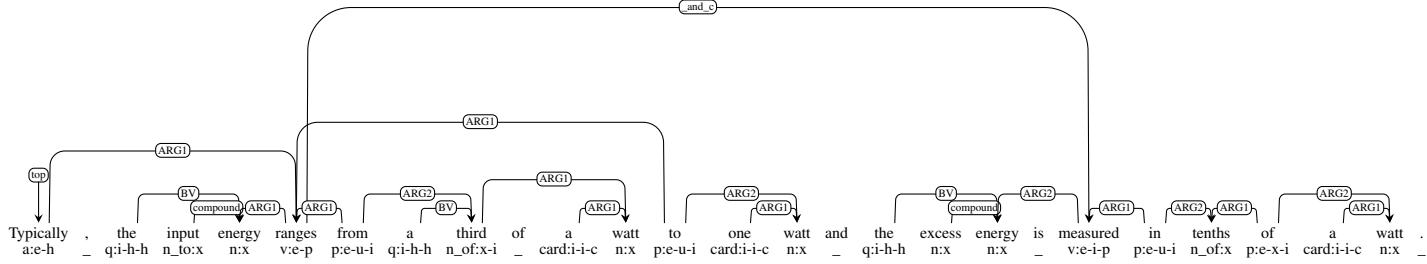
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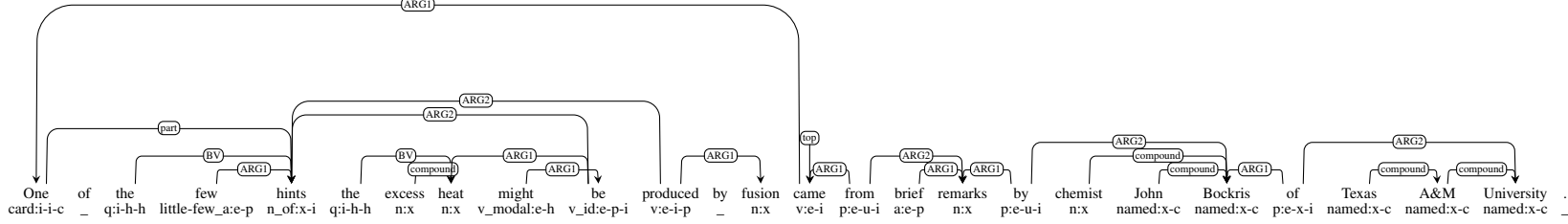
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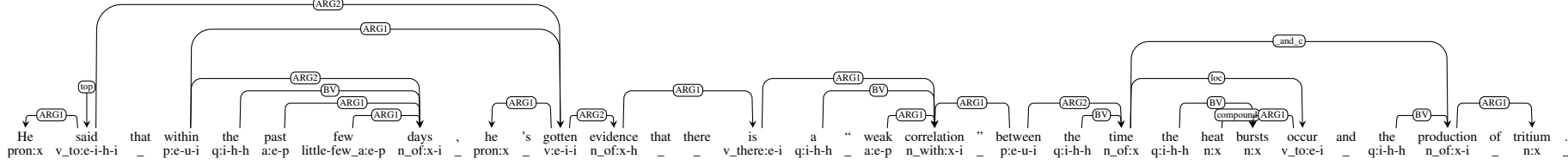
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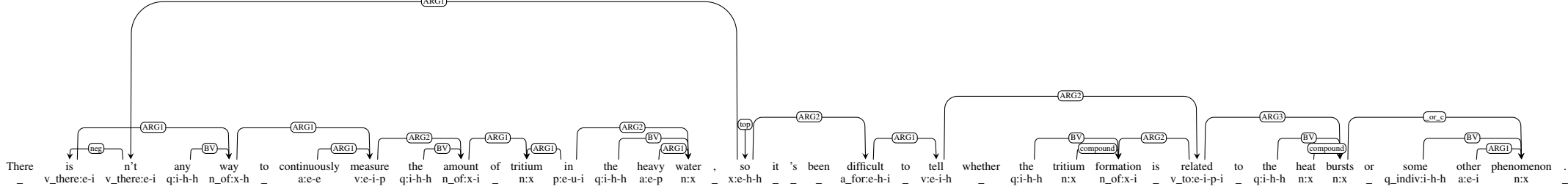
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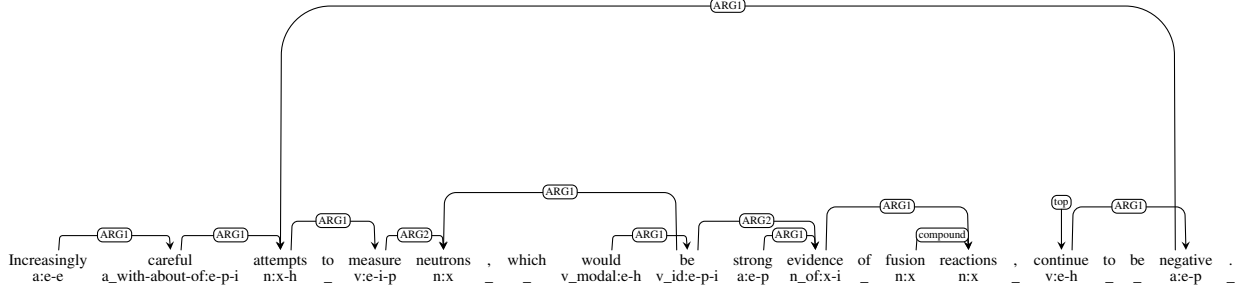
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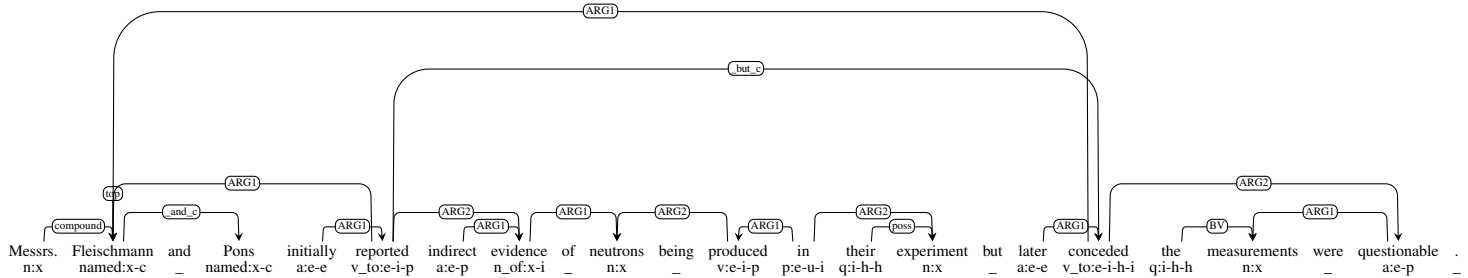
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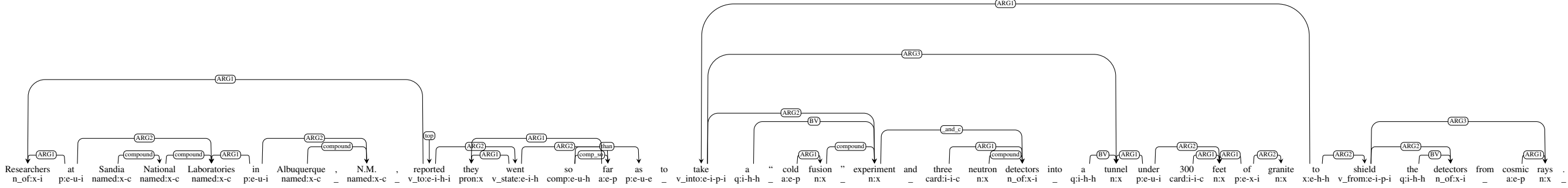
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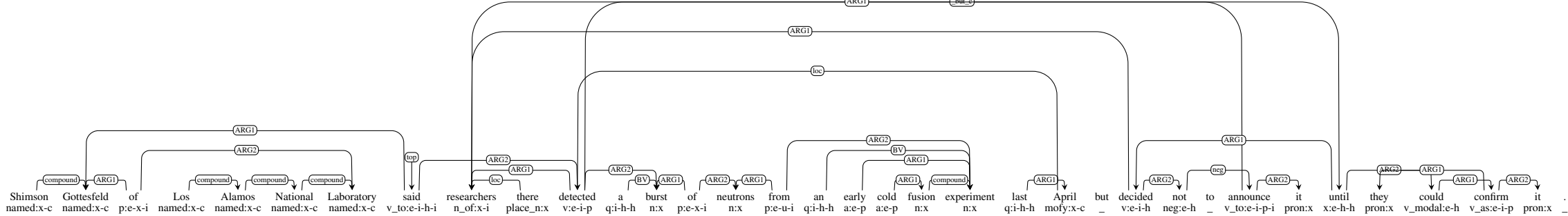
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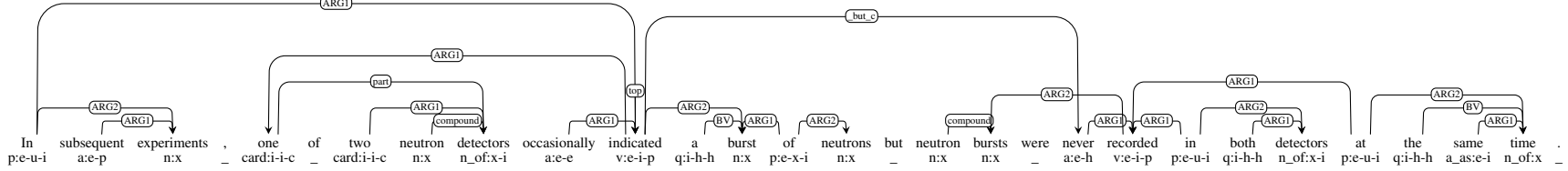
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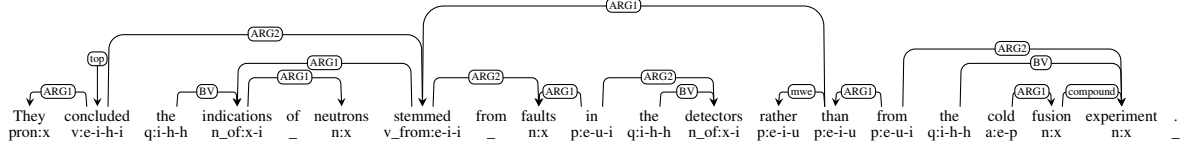
[21550046]



[21550047]



[21550048]



[21550049]

