

Understanding Heim Theory

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- *From:* "John Reed" <nospamjreed@xxxxxxxxxxxx>
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I've been looking at Heim theory for some time now. I got copies of Heim's books and finally have reached an understanding of how it works. To briefly explain what this involves, there is a mysterious matrix Heim called "A" in Heim's equation that is involved in all the mass calculations, but nobody knew where it came from. I finally found this in Heim's books and translated it. Heim said exactly where it comes from, and this explains why the mass values are so accurate. The whole thing is rigged. I don't think Heim did this intentionally, but those who came after him didn't understand what he had done and assumed that the particle masses were being computed from first principles when in fact they had been put into the complicated equations in a hard to understand manner.

Here's a posting I made yesterday to the PhysicsOrgForum Heim group:

"Yes, I found that part of Heim's book, and translated it for myself. Heim does explain where the A matrix came from, and what a surprise! Heim says "One investigates each matrix value using the interpretation (101b), the EMPIRICAL DATA OF GROUND STATES" (masses). "Then one can heuristically reduce the $A(i,m)$ and $A(6,6)$ to limiting values of π , e and ξ ". In other words, the ground state masses were put into the A matrix. No wonder we have such wonderful agreement with the observed data. The masses were already put into the equations, and then we turn around and recompute them. If I hadn't worked so long on this it would be worth a good laugh. When I worked through how the A matrix was being used to compute masses, I thought it was more than chance that 12 of the A matrix components are being used to compute 12 ground state masses.

Heim was after the excited states, and for this he needed good estimates of the ground states. He used experimental mass values for this. Since the excited state masses computed with the theory are worthless, I'm afraid that Heim theory has reached the end of the line for me."

John Reed

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