```
fusion_and  THM

⊢  ∀E:TaggedEventStruct, I,P,Q:TraceProperty(E).
   (I fuses P) ⇒ (I fuses Q) ⇒ (I fuses (P ∧ Q))
  by Unfolds ``trace_property fusion_condition prop_and`` 0

     THEN Unfold `str_trace` 0 THEN Reduce 0 THEN Auto

     THEN BackThruSomeHyp THEN Auto
THEN AllHyps (\h.InstHyp [m
     ] h THEN Complete Auto)
END
```